Color Television

Your Television's Directions for Use

STOP!

Read this manual first!
Congratulations on purchasing this Philips product.
We've included everything you need to get started.
If you have any problems, Philips Representatives can
help you get the most from your new product by explaining:
• Hookups,
• First Time Setup, and
• Feature Operation.
Do not attempt to return this product to the store.

For fast help, call us first!
1-800-531-0039

Thank you for making Philips a part of your home!

MAGNAVOX
Smart. *Very smart.*®

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your MAGNAVOX purchase is registered, you're eligible to receive all the privileges of owning a MAGNAVOX product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your MAG-NAVOX warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your **purchase,** and welcome to the **"family!"**

MAGNAVOX
Smart. *Very smart.*®

REGISTRATION NEEDED WITHIN 10 DAYS • MAGNAVOX
Hurry!

Dear MAGNAVOX product owner:

Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products
available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome–and thanks for investing in a MAGNAVOX product.

Sincerely,

Philips Consumer Electronics Company

P.S. Remember, to get the most from your MAGNAVOX product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these safety*symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit which may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

PHILIPS *Visit our World Wide Web Site at http://www.philipsusa.com*
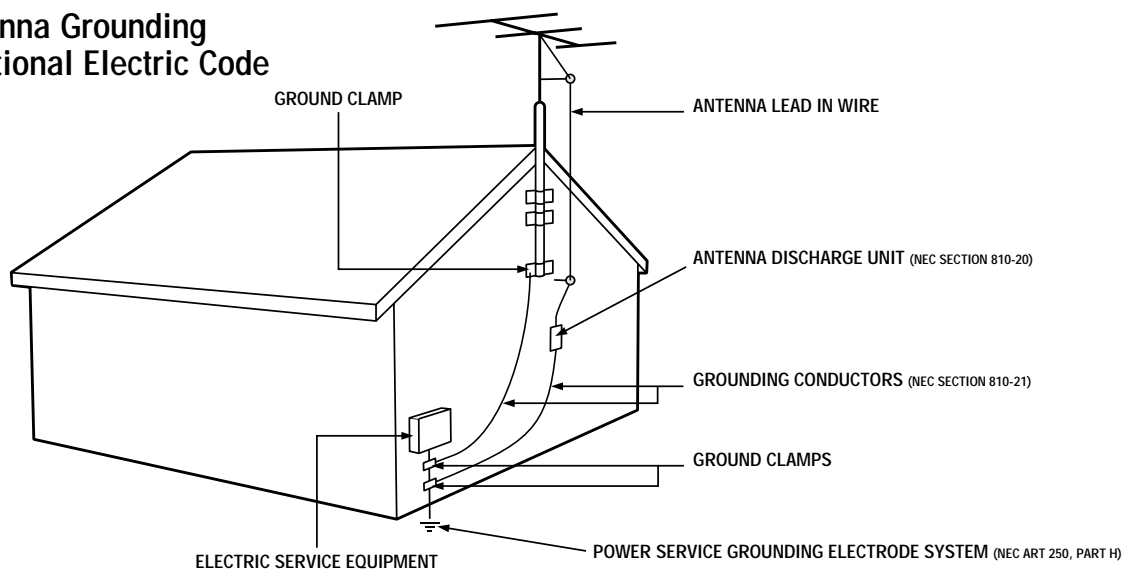
IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org

16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
    A. The power supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
    • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
    • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
    Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code

GROUND CLAMP

ANTENNA LEAD IN WIRE

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMPS

ELECTRIC SERVICE EQUIPMENT

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

TABLE OF CONTENTS

Here are a few of the special features built into this new Color Television:

SmartLock™ feature allows you to block the viewing of certain channels or external audio/video connections where you might not want your children viewing inappropriate material.

Infrared Remote Control works your TV set, and allows you to program certain features with the press of one button. Can also be used with accessory devices such as VCRs, DVDs, Cable Boxes, and more.

Audio/Video Jackpanel for direct connections of accessory devices. Audio/Video Inputs and Outputs.

Standard broadcast (VHF/UHF) or Cable TV (CATV) channel capability.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as on-screen text.

Automatic Programming of Channels for quick and easy selection of favorite stations available in your area.

On-screen Features (in either English or Spanish) show helpful messages for setting of TV controls.

On Timer automatically turns the TV ON at a preset time, and channel.

Sleeptimer automatically turns the TV OFF at preset times.

SmartPicture™ allows you to set the picture color, tint, contrast, etc. for various types of programming such as Sports, Movies, Personal, Weak Signals or Multi Media with the push of one button.

SmartSound™ controls allow you to set the sound controls for various types of listening programs such as Personal (sound controls the way you set them), Theatre, Music, or Voice with the push of one button.

Treble, Bass and Balance controls to enhance the television's sound.

NOTE: It is possible that this owner's manual may be used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television system. This is normal and does not require you contacting your dealer or requesting service.

To adjust your TV picture controls, select a channel and follow the steps shown below:

(BEGIN)

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or DOWN ■ buttons** until the word **PICTURE** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the **PICTURE** menu features.

4 **Press CURSOR UP ▶ or DOWN ■ buttons** to scroll the Picture features and highlight the control you wish to adjust (Brightness, Color, Picture, Sharpness, Tint, or Color Temp.).

5 **Press the CURSOR RIGHT ▶▶ or the CURSOR LEFT ◀◀ buttons** to adjust the selected control or to make selections for the Color Temp. control (Normal, Warm, or Cool).

6 **Press the CURSOR UP ▶ or DOWN ■ buttons** to select and adjust other Picture Menu controls.

7 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

SMART HELP

BRIGHTNESS Press the ▶▶ or ◀◀ buttons until darkest parts of the picture are as bright as you prefer.

COLOR Press the ▶▶ or ◀◀ buttons to add or eliminate color.

PICTURE Press the ▶▶ or ◀◀ buttons until lightest parts of the picture show good detail.

SHARPNESS Press the ▶▶ or ◀◀ buttons to improve detail in the picture.

TINT Press the ▶▶ or ◀◀ buttons to obtain natural skin tones.

COLOR TEMP Press the ▶▶ or ◀◀ buttons to select NORMAL, COOL, or WARM picture preferences. (NORMAL will keep the whites, white; COOL will make the whites, bluish; and WARM will make the whites, reddish.)

Main ▲
∨ Picture ▶ Brightness
◇ Sound Color
◇ Features Picture
◇ Install Sharpness
Tint
More...
▼

Picture ▲
∨ Brightness ◀ ▬▬▬▬ 50 ▶
◇ Color
◇ Picture
◇ Sharpness
◇ Tint
◇ Color Temp.
▼

∨ Brightness ◀ ▬▬▬▬ 65 ▶

∨ Color ◀ ▬▬▬▬ 50 ▶

∨ Picture ◀ ▬▬▬▬ 50 ▶

∨ Sharpness ◀ ▬▬▬▬ 50 ▶

∨ Tint ◀ ▬▬▬▬ 0 ▶

∨ Color Temp. Normal

Warm
or
Cool

SLEEP
A/CH STATUS/EXIT CLOCK
RECORD TV/VCR
TV
VCR 1 2 3
ACC 4 5 6
7 8 9
SMART SMART
SOUND 0 PICTURE
MENU SURF II
VOL CH
MUTE

For reasons such as poor cable reception, the picture can sometimes appear slightly "speckled" (or has signal noise shown in the picture). The DNR (Dynamic Noise Reduction) control can help eliminate this type of interference and improve the quality of the picture.

BEGIN

〈1〉 **Press the MENU button** on the remote to display the on-screen menu.

〈2〉 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **PICTURE** is highlighted.

〈3〉 **Press the CURSOR RIGHT ▶▶ button** to display the **PICTURE** menu features.

〈4〉 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** to scroll the Picture menu features until the word **DNR** is highlighted.

〈5〉 **Press the CURSOR RIGHT ▶▶ button** turn the **DNR** feature ON or OFF.

〈6〉 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

SMART HELP

"Noise" Reduction is a video adjustment feature that affects the picture quality of the TV not the sound.

Main	▲
∨ Picture ▶	Brightness
◇ Sound	Color
◇ Features	Picture
◇ Install	Sharpness
	Tint
	More...
▼	

Picture	▲
∨ Brightness	◀ ▬▬▬ 50 ▶
◇ Color	
◇ Picture	
◇ Sharpness	
◇ Tint	
◇ Color Temp.	
▼	

Picture	▲
◇ Color	
◇ Picture	
◇ Sharpness	
◇ Tint	
◇ Color Temp.	
∨ DNR	On
▼	

∨ DNR	On

OR

∨ DNR	Off

SLEEP
A/CH   STATUS/EX
CLOCK
TV   RECORD   TV/VCR
VCR   (1)   (2)   (3)
ACC
(4)   (5)
(7)   (8)
SMART   SMART
SOUND   PICTURE
MENU   SURF
VOL   CH
MUTE

The Contrast + (Black Stretch) control helps to "sharpen" the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.

BEGIN

⟨1⟩ **Press the MENU button** on the remote to display the on-screen menu.

⟨2⟩ **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **PICTURE** is highlighted.

⟨3⟩ **Press the CURSOR RIGHT ▶▶ button** to display the **PICTURE** menu features.

⟨4⟩ **Press the CURSOR UP ▶ or CURSOR DOWN ■** button to scroll the Picture menu features until the word **CONTRAST** + is highlighted.

⟨5⟩ **Press the CURSOR RIGHT ▶▶ button** turn the **CONTRAST** + feature ON or OFF.

⟨6⟩ **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

Main	▲	
✓ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
	▼	

Picture	▲	
✓ Brightness	◀ ▬▬▬▬▬ 50 ▶	
◇ Color		
◇ Picture		
◇ Sharpness		
◇ Tint		
◇ Color Temp.		
	▼	

Picture	▲
◇ Picture	
◇ Sharpness	
◇ Tint	
◇ Color Temp.	
◇ DNR	
✓ Contrast +	On
	▼

✓ Contrast +	On

OR

✓ Contrast +	Off
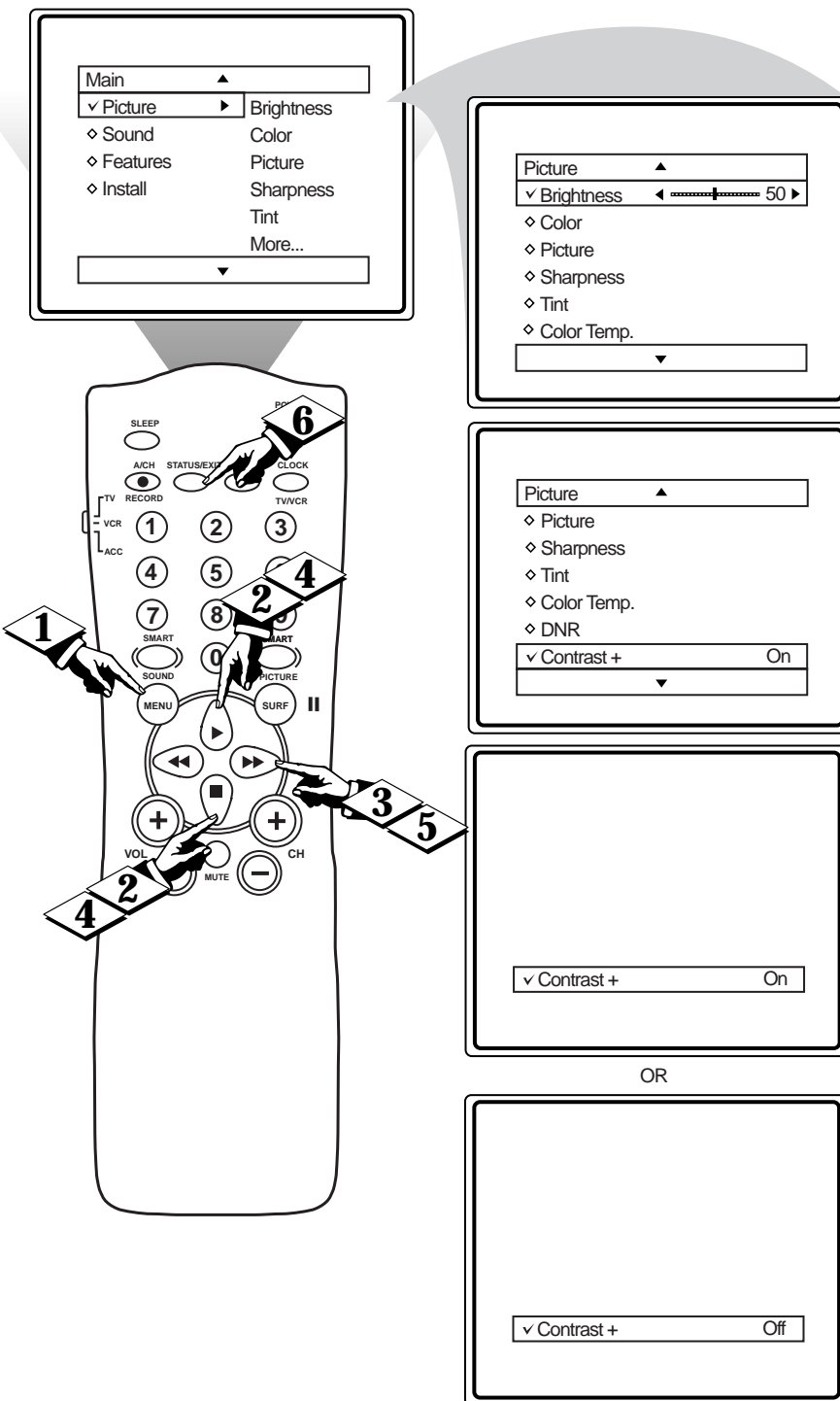
*B*esides the normal volume level control, your TV also has Bass, Treble and Balance sound controls. The TREBLE control effects only the high frequency sound coming from the TV enhancing the highs; while the BASS control effects only the low frequency sound coming from the TV enhancing the lows. The Balance control adjusts the sound level being heard from each speaker.
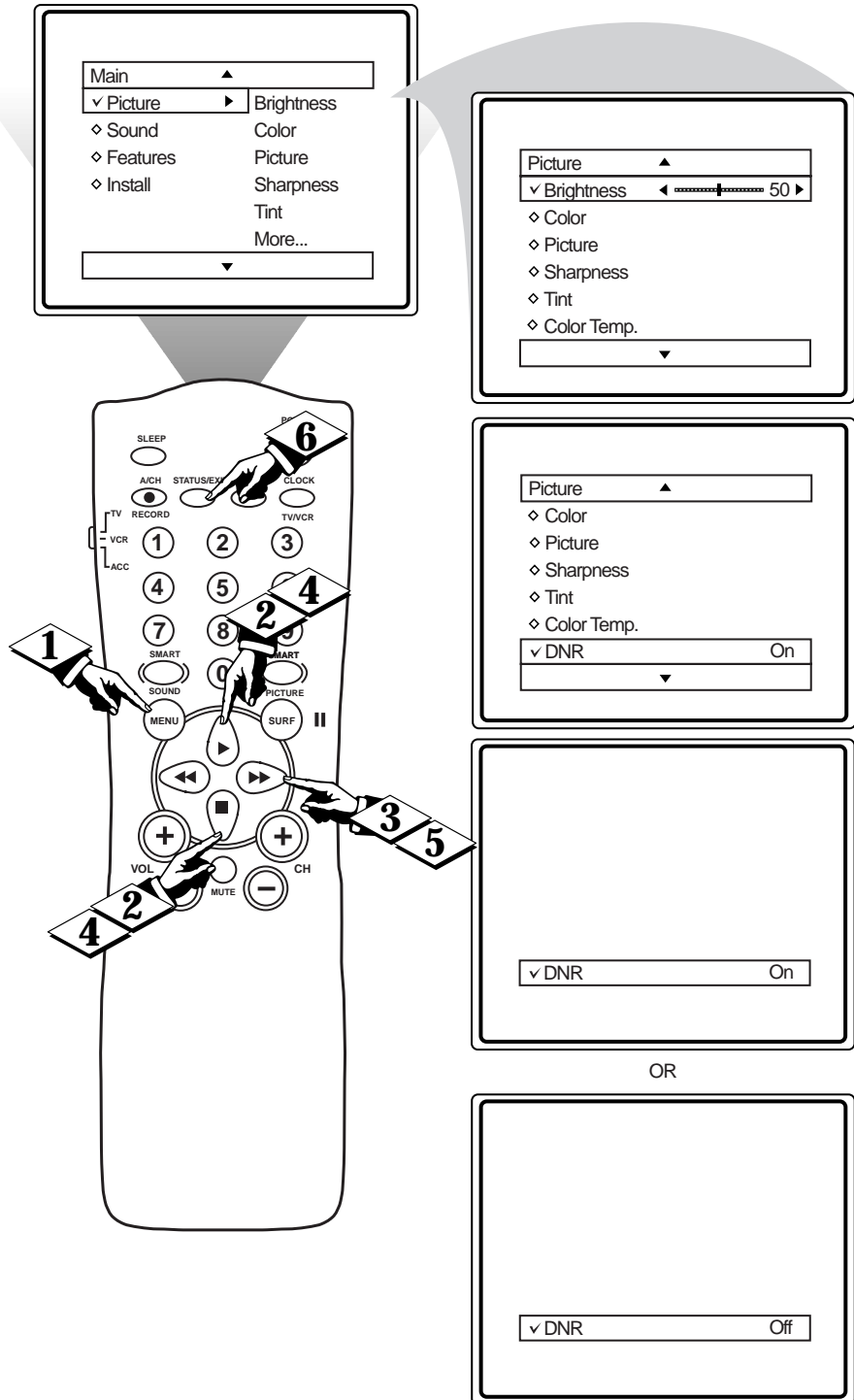
(BEGIN)

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **SOUND** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the **SOUND** menu features.

4 **Press the CURSOR UP ▶ or CURSOR DOWN ■** button to scroll the Sound menu features until the words **TREBLE, BASS or BALANCE** are highlighted.

5 **Press the CURSOR RIGHT ▶▶ or LEFT ◀◀ button** to adjust the **Treble, Bass** or **Balance** controls.

6 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

(STOP)

Main	▲	
✓ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
	▼	

Main	▲	
◇ Picture		Treble
✓ Sound	▶	Bass
◇ Features		Balance
◇ Install		AVL
		Incr. Surround
		More...
	▼	

Sound	▲	
✓ Treble	◀ ══════╪══════ 50 ▶
◇ Bass	
◇ Balance	
◇ AVL	
◇ Incr. Surround	
◇ SAP	
	▼

OR

Sound	▲	
◇ Treble	
✓ Bass	◀ ══════╪══════ 50 ▶
◇ Balance	
◇ AVL	
◇ Incr. Surround	
◇ SAP	
	▼

OR

Sound	▲	
◇ Treble	
◇ Bass	
✓ Balance	◀ L ══════╪══════ R ▶
◇ AVL	
◇ Incr. Surround	
◇ SAP	
	▼

In most cases, the volume levels coming from broadcast programming or commercials are never the same. With the AVL (Audio Volume Leveler) control turned ON, you can have the TV level out sound that is being heard. This makes for a more consistent sound by reducing the peaks and valleys that occur during program changes or commercial breaks. To turn the AVL ON, follow these steps.

(BEGIN)

⟨1⟩ Press the MENU button on the remote to display the on-screen menu.

⟨2⟩ Press the CURSOR UP ▶ or CURSOR DOWN ■ button until the word **SOUND** is highlighted.

⟨3⟩ Press the CURSOR RIGHT ▶▶ button to display the **SOUND** menu features.

⟨4⟩ Press the CURSOR UP ▶ or CURSOR DOWN ■ button to scroll the Sound menu features until the word **AVL** is highlighted.

⟨5⟩ Press the CURSOR RIGHT ▶▶ button to turn the **AVL** control ON or OFF.

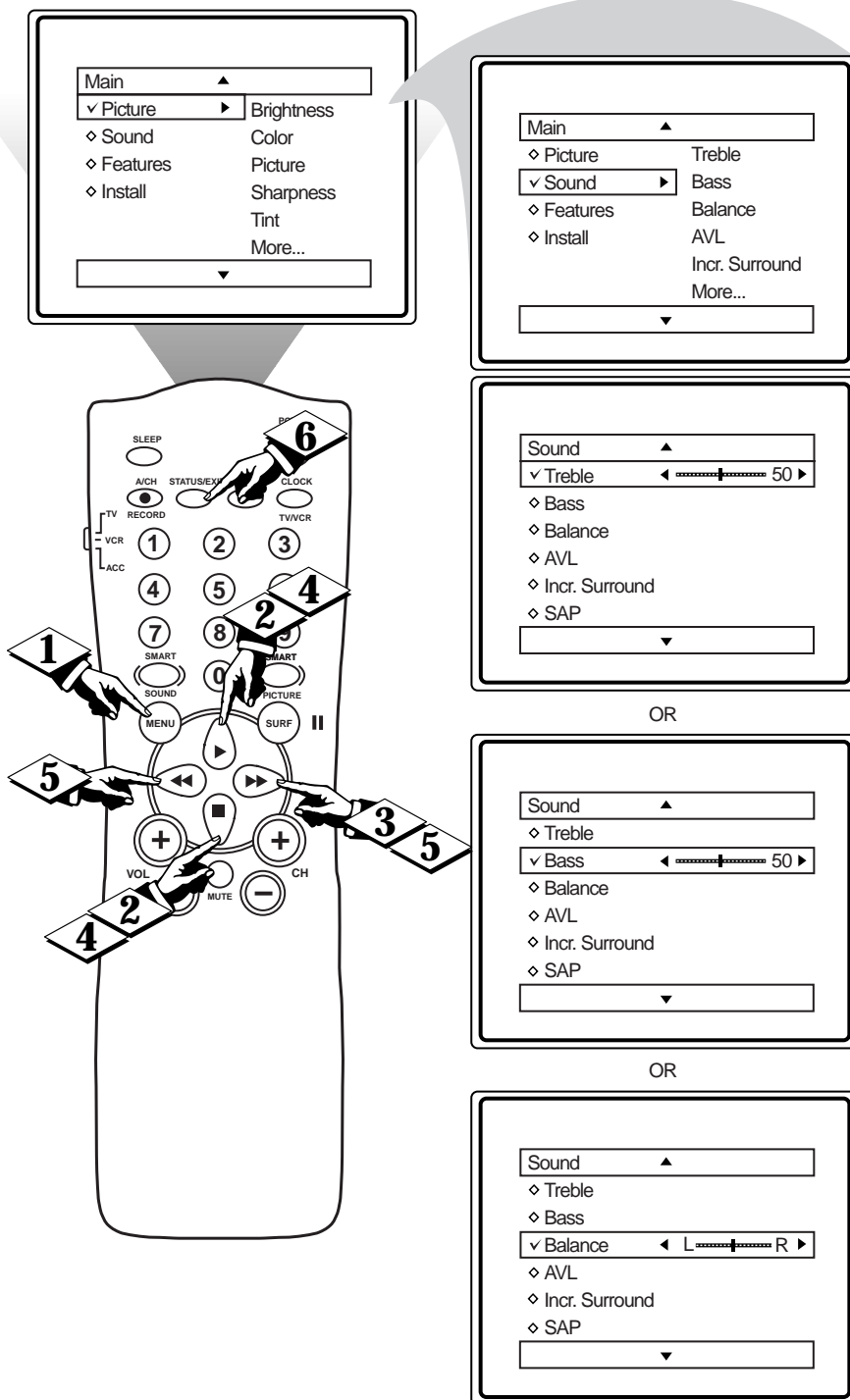**⟨6⟩ When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

(STOP)

Main	▲	
✓ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
	▼	

Main	▲	
◇ Picture		Treble
✓ Sound	▶	Bass
◇ Features		Balance
◇ Install		AVL
		Incr. Surround
		More...
	▼	

Sound	▲	
✓ Treble	◀ ▭▭▭▭▮▭▭▭ 50 ▶	
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
◇ SAP		
	▼	

Sound	▲	
◇ Treble		
◇ Bass		
◇ Balance		
✓ AVL	Off	
◇ Incr. Surround		
◇ SAP		
	▼	

OR
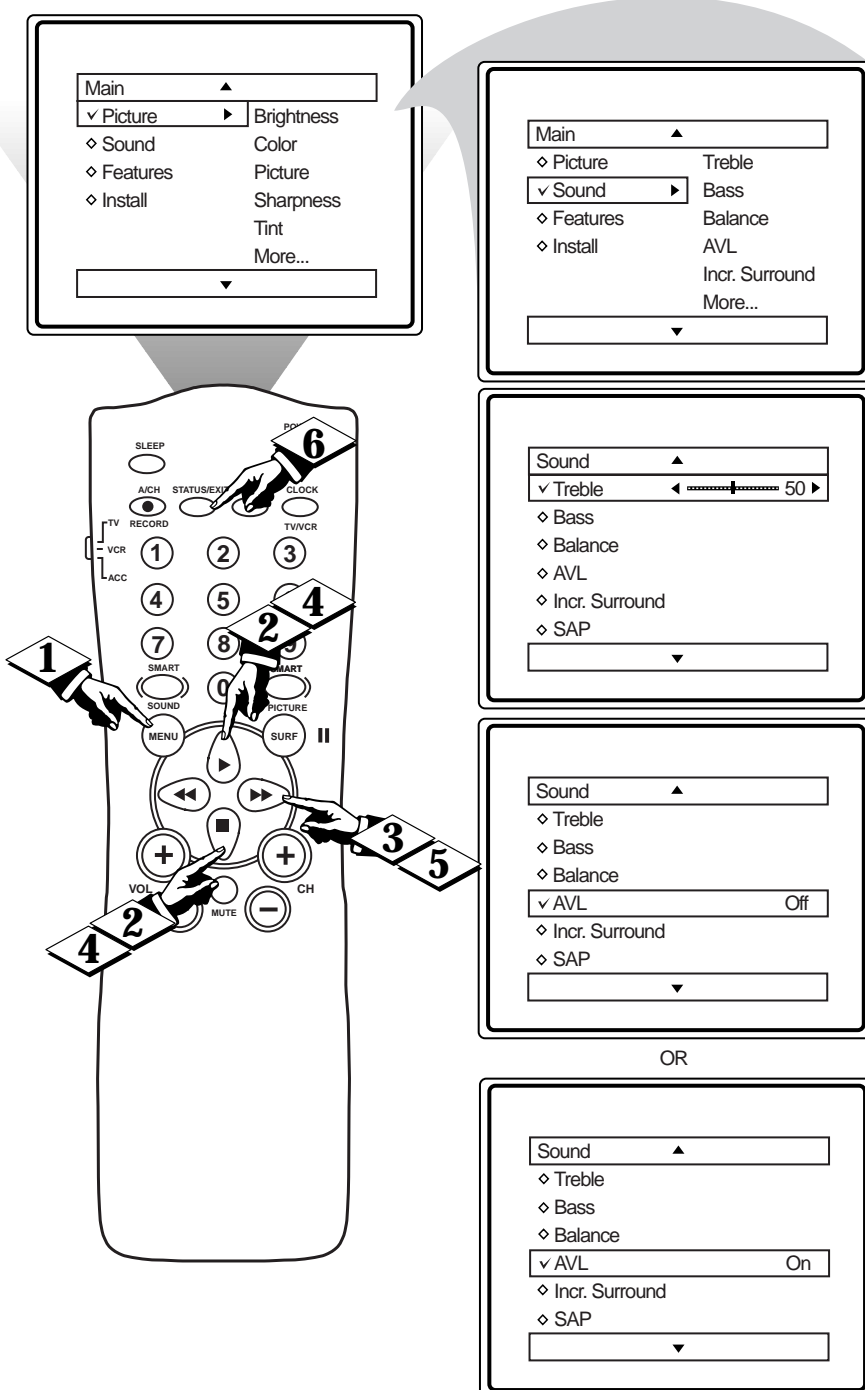
Sound	▲	
◇ Treble		
◇ Bass		
◇ Balance		
✓ AVL	On	
◇ Incr. Surround		
◇ SAP		
	▼	

The Incredible Surround feature adds greater depth and dimension to both monaural (MONO) and stereo TV sound. With the control turned ON the TV's speakers can add even wider sound separation to normal broadcasts.

(BEGIN)

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **SOUND** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the **SOUND** menu features.

4 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** to scroll the Sound menu features until the words **INCR. SURROUND** are highlighted.

5 **Press the CURSOR RIGHT ▶▶ button** to set the **Incredible Surround** control as follows:

MONO: When in the Mono Sound Mode, Incredible Surround can be set to Mono or Spatial.

STEREO: When in the Stereo Sound Mode, Incredible Surround can be set to Stereo or Incredible Surround.

6 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

SMART HELP

NOTE: If the TV signal is being received from a mono source, pressing the INCR. SURR. button will cause either MONO or SPATIAL to appear on the the screen. If the TV signal is being received from a stereo source and the "Sound" control is set to Stereo, pressing the INCR. SURR. button will toggle two choices: STEREO and INCR. SURROUND.

SPATIAL – widens the "Mono" sound, simulating a broader, fuller sound.

INCR. SURROUND – widens the "Stereo" sound, simulating a broader, fuller sound.

Main	▲	
✓ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
	▼	

Main	▲	
◇ Picture		Treble
✓ Sound	▶	Bass
◇ Features		Balance
◇ Install		AVL
		Incr. Surround
		More...
	▼	

Sound	▲	
✓ Treble	◀ ▬▬▬▬▬ 50 ▶	
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
◇ SAP		
	▼	

Sound	▲	
◇ Treble		
◇ Bass		
◇ Balance		
◇ AVL		
✓ Incr. Surround	Spatial	
◇ SAP		
	▼	

OR (if in Stereo)
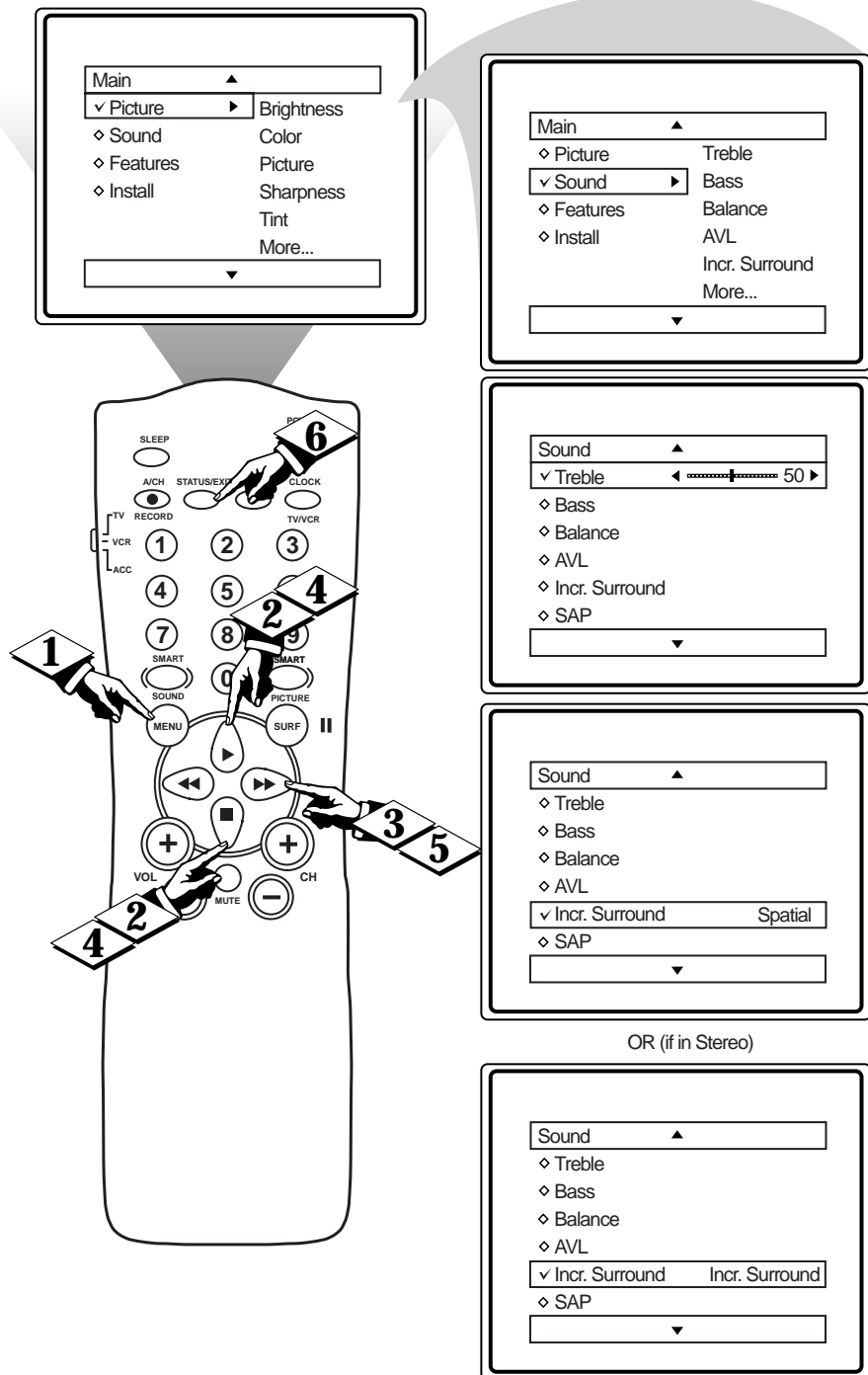
Sound	▲	
◇ Treble		
◇ Bass		
◇ Balance		
◇ AVL		
✓ Incr. Surround	Incr. Surround	
◇ SAP		
	▼	

A SAP signal is an additional part of the stereo broadcast system. Sent as a third audio channel, a SAP signal can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes.

If a SAP signal is not present with a selected program, the SAP option cannot be selected. Also, if SAP is selected on a channel (with SAP) and you select another channel, when you return to the original channel, SAP will be OFF. You will have to reselect the SAP feature.

BEGIN

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** until the word **SOUND** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the **SOUND** menu features.

4 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** to scroll the Sound menu features until the word **SAP** is highlighted.

5 **Press the CURSOR RIGHT ▶▶ button** to turn the **SAP** control ON or OFF.

6 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

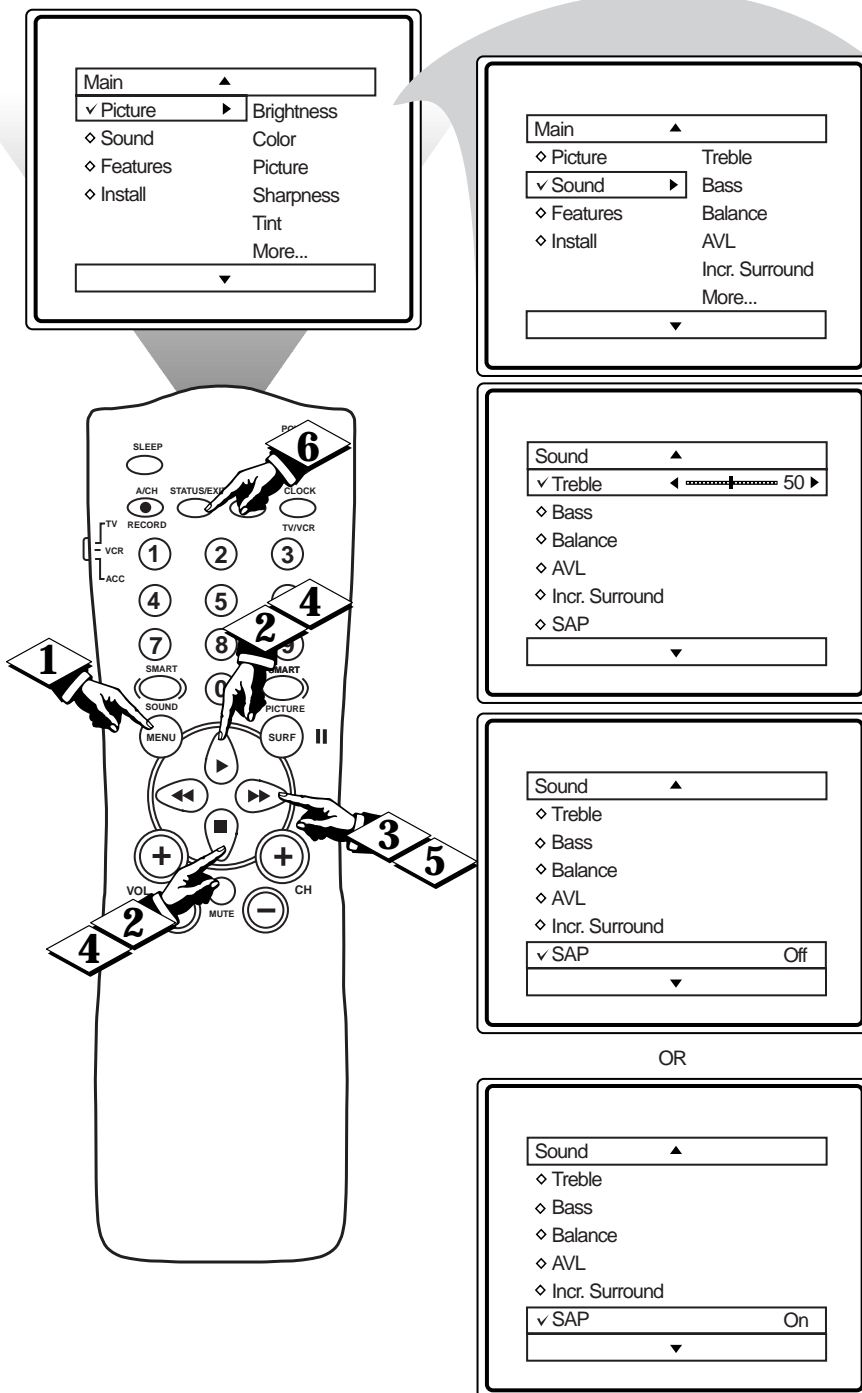| Main	▲	
∨ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
	▼	

Main	▲	
◇ Picture		Treble
∨ Sound	▶	Bass
◇ Features		Balance
◇ Install		AVL
		Incr. Surround
		More...
	▼	

Sound	▲	
∨ Treble	◀ ▬▬▬▬▬▬ 50 ▶	
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
◇ SAP		
	▼	

Sound	▲	
◇ Treble		
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
∨ SAP		Off
	▼	

OR

Sound	▲	
◇ Treble		
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
∨ SAP		On
	▼	

Note: If SAP is not present on the channel you are tuned to, when the SAP control is set to ON the screen will read:

"SAP NOT AVAILABLE."

*Y*ou can receive broadcast stereo TV programs. The TV has both an amplifier and twin speakers through which the stereo sound can be heard.
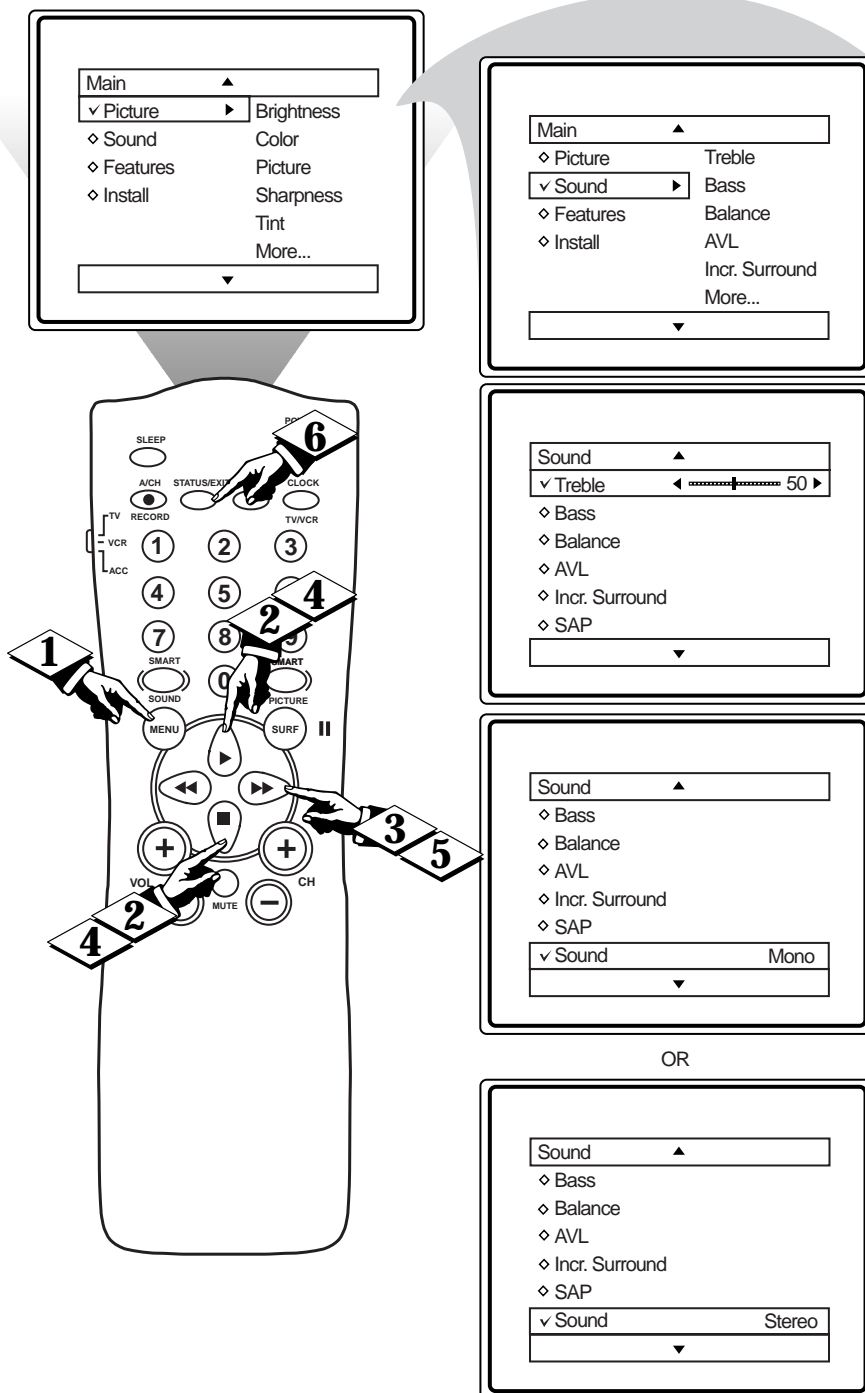
BEGIN

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or CUR-SOR DOWN ■ button** until the word **SOUND** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the **SOUND** menu features.

4 **Press the CURSOR UP ▶ or CURSOR DOWN ■ button** to scroll the Sound menu features until the word **SOUND** is highlighted.

5 **Press the CURSOR RIGHT ▶▶ button** to set the **Sound** control to Mono or Stereo.

6 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

SMART HELP

Remember, if stereo is not present on a selected show, the Sound control cannot be changed to Stereo. On the other hand, if stereo is present on a selected show the Sound control can be set to Mono.

When channel changes are made, the screen may indicate Mono for a second or two, then change to Stereo if the signal being received is in stereo.

Main	▲	
✓ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
	▼	

Main	▲	
◇ Picture		Treble
✓ Sound	▶	Bass
◇ Features		Balance
◇ Install		AVL
		Incr. Surround
		More...
	▼	

Sound	▲	
✓ Treble	◀ ▬▬▬▬▮▬▬▬▬ 50 ▶	
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
◇ SAP		
	▼	

Sound	▲	
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
◇ SAP		
✓ Sound		Mono
	▼	

OR

Sound	▲	
◇ Bass		
◇ Balance		
◇ AVL		
◇ Incr. Surround		
◇ SAP		
✓ Sound		Stereo
	▼	

Let's
Look
Inside!

The Timer controls allow you to use your TV as an alarm clock if set to turn itself on and off at a specific time. It also can be set to tune to a specific channel at a specific time.

(BEGIN)

1 **Press the CLOCK button** on the remote. The Timer menu will appear on the screen.

2 **Press the CURSOR UP ▶ or DOWN ■ button** to highlight one of the Timer controls you wish to set (Time, Start Time, Stop Time, Channel, Activate, or Display).

3 **Press the CURSOR RIGHT ▶▶ button** to adjust the selected option.

TIME: Enter the current time with the numbered buttons. Use the Cursor Right button to move to the AM/PM area and use the Cursor Left or Right buttons to toggle AM or PM.

START TIME: Use the numbered buttons to enter a start-up time for the TV to turn on or to tune a specific channel.

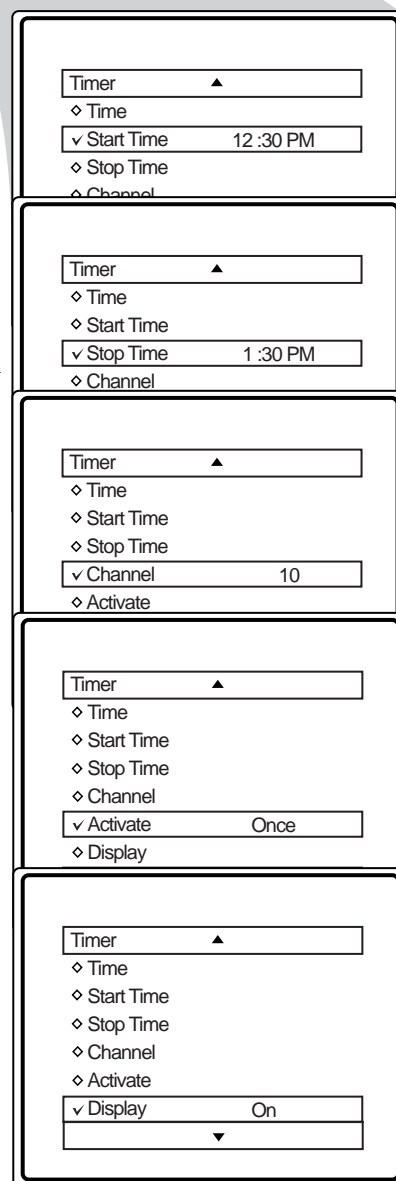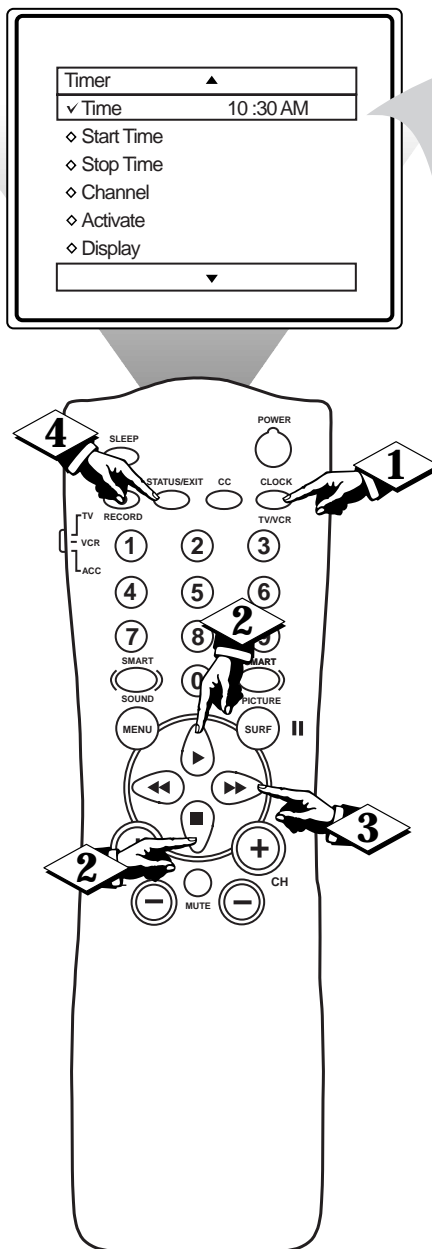**STOP TIME:** Use the numbered buttons to enter a time for the TV to shut itself off.

CHANNEL: Use the Numbered buttons or the CH + or – buttons to select a specific channel for the TV to tune to at the specific Start Time.

ACTIVATE: Set the Timer to preform it's function ONCE or DAILY.

DISPLAY: Set to ON or OFF. When ON, the time will be displayed ALL the time the TV in ON. When OFF, the time will only appear when the STATUS/EXIT button is pressed.

4 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

Timer	▲
✓ Time	10 :30 AM
◇ Start Time	
◇ Stop Time	
◇ Channel	
◇ Activate	
◇ Display	
	▼

Timer	▲
◇ Time	
✓ Start Time	12 :30 PM
◇ Stop Time	
◇ Channel	

Timer	▲
◇ Time	
◇ Start Time	
✓ Stop Time	1 :30 PM
◇ Channel	

Timer	▲
◇ Time	
◇ Start Time	
◇ Stop Time	
✓ Channel	10
◇ Activate	

Timer	▲
◇ Time	
◇ Start Time	
◇ Stop Time	
◇ Channel	
✓ Activate	Once
◇ Display	

Timer	▲
◇ Time	
◇ Start Time	
◇ Stop Time	
◇ Channel	
◇ Activate	
✓ Display	On
	▼

POWER

SLEEP

STATUS/EXIT   CC   CLOCK

TV   RECORD   TV/VCR
VCR   (1)   (2)   (3)
ACC   (4)   (5)   (6)
(7)   (8)   (9)
SMART   SMART
(0)
SOUND   PICTURE
MENU   ▶   SURF   II
◀◀   ▶▶
■   +
−   MUTE   −   CH

*T*he AutoLock feature is an integrated circuit that receives and processes data sent by broadcasters, or other program providers, that contain program content advisories. When programmed by the viewer, a TV with AutoLock can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of viewing children may watch.

***Over the next few pages you'll learn how to block channels** and certain rated programming. Below is a brief explanation of some terms and ratings you will find in the AutoLock feature.*

AutoLock offers various BLOCKING controls from which to choose:

Access Code: An Access Code must be set to prevent children from unblocking questionable or censored programming set by their parents.

Channel Block: After an access code has been programmed, you can block individual channels including the A/V inputs.

Clear All: Allows you clear all channels being blocked from your viewing set with the Channel Block Control.

Block All: Allows you to block ALL channels and A/V inputs at one time.

Movie Ratings: Certain blocking options exist which will block programming based on ratings patterned by the Motion Pictures Association of America.

TV Ratings: Just like the Movie Ratings, programs can be blocked from viewing using standard TV ratings set by TV broadcasters.

To learn more about the Motion Picture Association of America Ratings and the TV Broadcasters Television Ratings, refer to the definitions listed on the columns to the right.

Movie Rating ▲
✓ G   On
◇ PG
◇ PG-13
◇ R
◇ NC-17
◇ X
▼

TV Rating ▲
✓ TV-Y   On
◇ TV-Y7
◇ TV-G
◇ TV-PG
◇ TV-14
◇ TV-MA
▼

MOVIE RATINGS
(MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this program suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children.) It may contain one or more of the following: Moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue.

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialogue.

R: Restricted -This is programming is specifically designed for adults. Anyone under the age of 17 should only view this programming with an accompanying parent or adult guardian. It contains one or more of the following: intense violence, intense sexual situations, strong coarse language, or intensely suggestive dialogue.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence, explicit sex, or crude indecent language.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES
(TV BROADCASTERS)

TV-Y - (**All children** -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV-Y7 - (**Directed to Older Children** -- *This program is designed for children age 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV-G - (**General Audience** -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

TV-PG - (**Parental Guidance Suggested** -- *This program contains material that parents may find unsuitable for younger children.*) This type of programming contains one or more of the following: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14 - (**Parents Strongly Cautioned** -- *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV-MA - (**Mature Audience Only** -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: graphic violence (V), explicit sexual situations (S), or crude indecent language (L).

*O*ver the next few pages you'll learn how to block channels and get a better understanding of the rating terms for certain programming.

First, let's start by learning how to set a personal access code:

BEGIN

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or DOWN ■ button** until the word **FEATURES** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the FEATURES menu options.

4 **Press the CURSOR UP ▶ or DOWN ■ button** until the words AUTOLOCK are highlighted.

5 **Press the CURSOR RIGHT ▶▶ button.** The screen will read, **"ACCESS CODE - - - - ."**

6 **Using the NUMBERED buttons, enter 0, 7, 1, 1. "XXXX"** appears on the Access Code screen as you press the numbered buttons.

"INCORRECT CODE" will appear on the screen, and **you will need to enter 0, 7, 1, 1 again.**

7 The screen will ask you to enter a "New Code." **Enter a "new" 4 digit code using the NUMBERED buttons.** The screen will then ask you to CONFIRM the code you just entered. **Enter your new code again. "XXXX"** will appear when you enter your new code and then display the AutoLock menu options.

Proceed to the next page to learn more...

SMART HELP

Parents - it isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code changes, and you didn't change it, then you know it's been altered by someone else and blocked channels have been viewed.
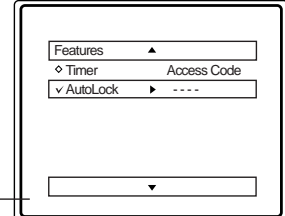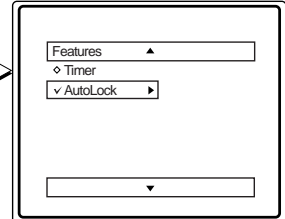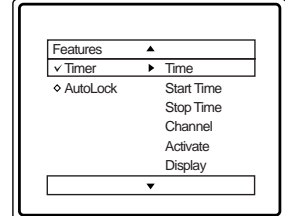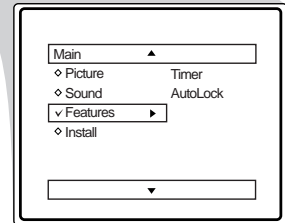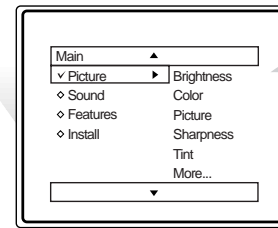
NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.
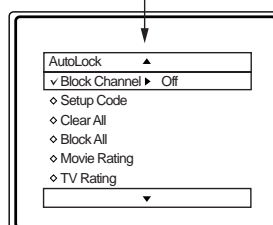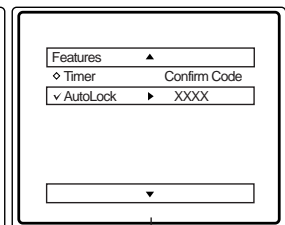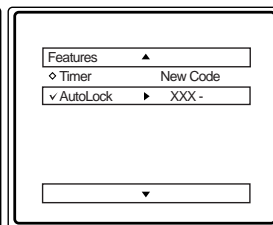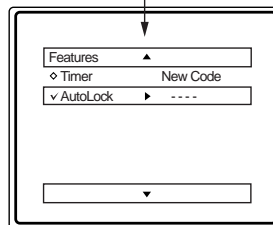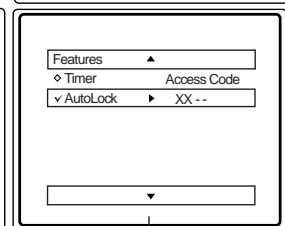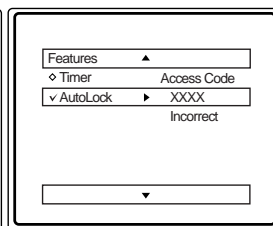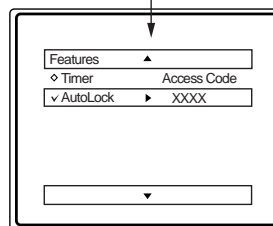
The AutoLock Access Code also can be changed anytime using the Setup Code feature
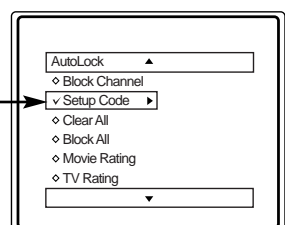
After your personal access code has been set (see previous page), you are now ready to select the channels or A/V Inputs you want to block out or censor.

BEGIN

1 **Press the NUMBERED (or CH +, –) buttons** to tune the channel you wish to block or censor.

2 **Press the MENU button** on the remote to show the on-screen menu.

3 **Press the CURSOR UP ▶ or DOWN ■ button** until the word **FEATURES** is highlighted.

4 **Press the CURSOR RIGHT ▶▶ button** to display the FEATURES menu options.

5 **Press the CURSOR UP ▶ or DOWN ■ button** until the words AutoLock are highlighted.

6 **Press the CURSOR RIGHT ▶▶ button.**

7 **Enter the correct access code number. "XXXX"** shows on the Access Code display as you **press the NUMBERED buttons.** AutoLock menu options will be displayed.

8 **Press the CURSOR UP ▶ or DOWN ■ buttons** until the words **BLOCK CHANNELS** are highlighted.

9 **Press the CURSOR RIGHT ▶▶ button** to turn blocking ON or OFF for that channel. When ON is selected the channel will be blocked.

10 **Press the CH + or – button** to select other channels you wish to block. Repeat step 9 to block the new channel.

STOP

SMART HELP

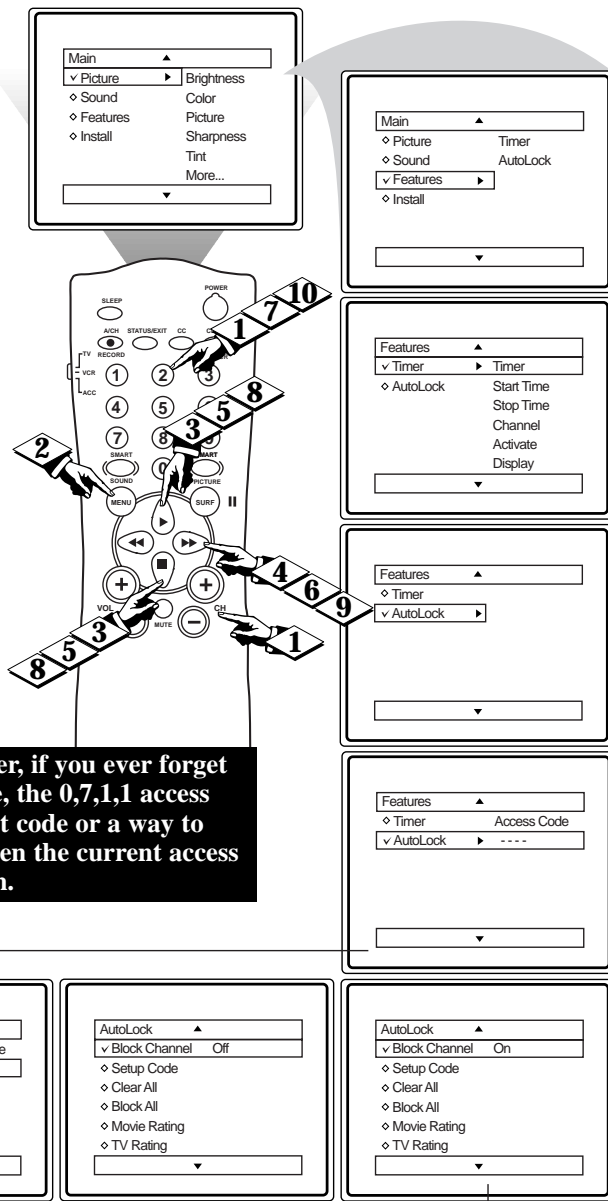If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV has been turned off. When the TV is powered back ON, the previously blocked channels will be blocked again.

NOTE: Remember, if you ever forget your Access Code, the 0,7,1,1 access code is the default code or a way to reset the code when the current access code is not known.

Enter your Access Code to view a tuned channel that is blocked with Block Channel.

Main
˅ Picture   ▶ Brightness
◊ Sound   Color
◊ Features   Picture
◊ Install   Sharpness
               Tint
               More...

Main   ▲
◊ Picture   Timer
◊ Sound   AutoLock
˅ Features   ▶
◊ Install

Features   ▲
˅ Timer   ▶ Timer
◊ AutoLock   Start Time
              Stop Time
              Channel
              Activate
              Display

Features   ▲
◊ Timer
˅ AutoLock ▶

Features   ▲
◊ Timer   Access Code
˅ AutoLock ▶ - - - -

Features   ▲
◊ Timer   Access Code
˅ AutoLock ▶ XXXX

AutoLock   ▲
˅ Block Channel   Off
◊ Setup Code
◊ Clear All
◊ Block All
◊ Movie Rating
◊ TV Rating

AutoLock   ▲
˅ Block Channel   On
◊ Setup Code
◊ Clear All
◊ Block All
◊ Movie Rating
◊ TV Rating

Channel 12
Blocked By AutoLock
Channel Blocking
Access Code
- - - -

After blocking specific channels there may come a time when you want to clear all the channels so they can be viewed. The following steps explain how to CLEAR ALL blocked channels.

(BEGIN)

1 **Press the MENU button** on the remote to show the on-screen menu.

2 **Press the CURSOR UP ▶ or DOWN ■ button** until the word **FEATURES** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the FEATURES menu options.

4 **Press the CURSOR UP ▶ or DOWN ■ button** until the words AutoLock are highlighted.

5 **Press the CURSOR RIGHT ▶▶ button.**

6 **Enter the correct access code number. "XXXX"** shows on the Access Code display as you **press the NUMBERED buttons.** AutoLock menu options will be displayed.

7 **Press the CURSOR UP ▶ or DOWN ■ buttons** until the words **CLEAR ALL** are highlighted.

8 **Press the CURSOR RIGHT ▶▶ button** to clear all blocked channels. The Clear All option will read, "Cleared."

9 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

STOP

NOTE: Remember, if you ever forget your Access Code, the 0,7,1,1 access code is the default code or a way to reset the code when the current access code is not known.
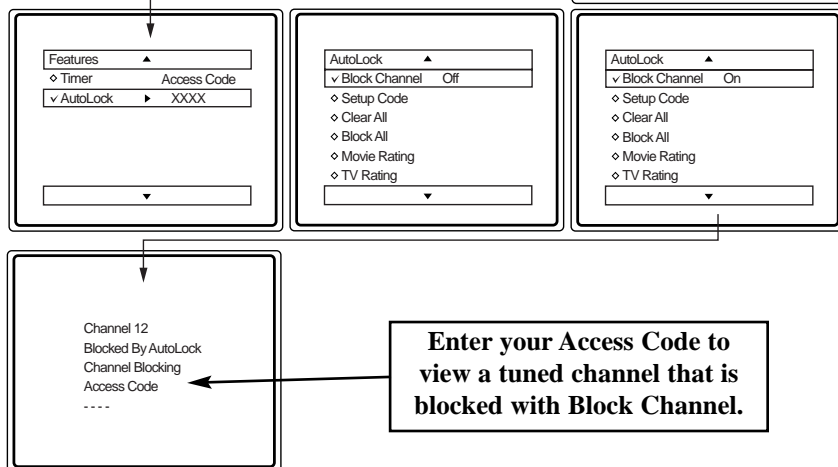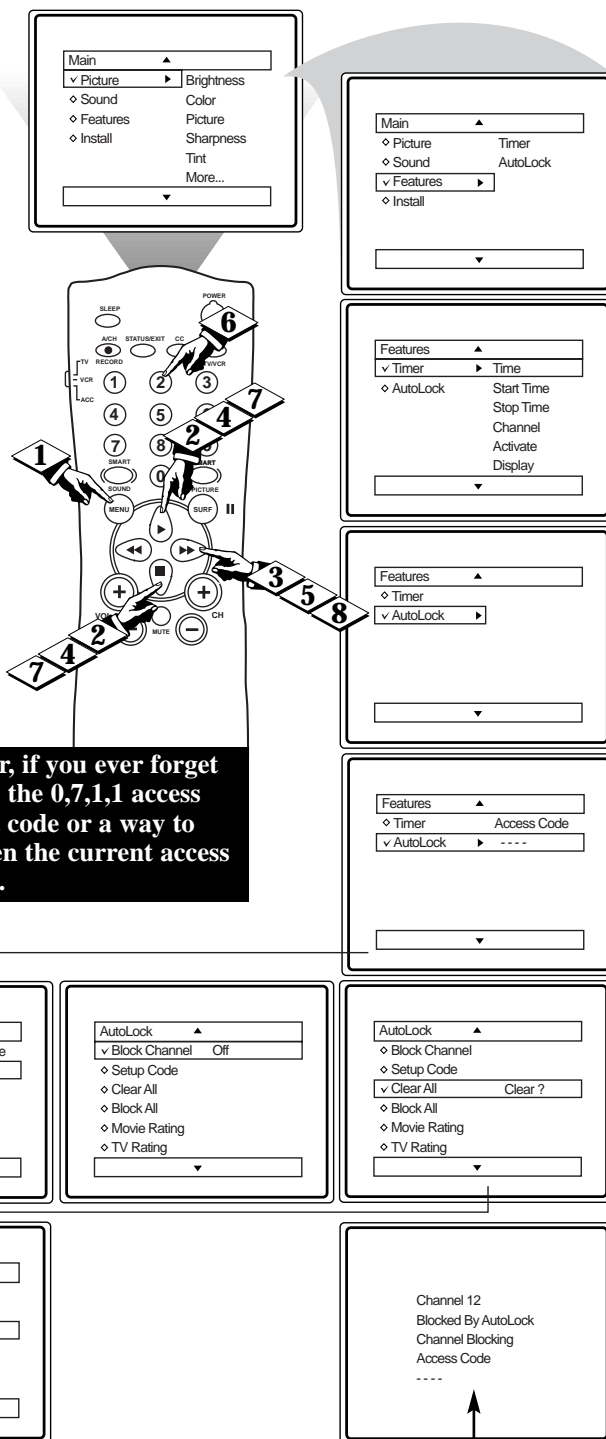
☼ **SMART HELP**

If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV is powered OFf and then turned back ON. When the TV is powered back ON, the previously blocked channels will be blocked again.

CLEAR ALL will not work with the Movie and TV Ratings. These options must be reset individually.

Main ▲
✓ Picture ▶ Brightness
◇ Sound   Color
◇ Features   Picture
◇ Install   Sharpness
               Tint
               More...
▼

Main ▲
◇ Picture   Timer
◇ Sound   AutoLock
✓ Features ▶
◇ Install
▼

Features ▲
✓ Timer ▶ Time
◇ AutoLock   Start Time
             Stop Time
             Channel
             Activate
             Display
▼

Features ▲
◇ Timer
✓ AutoLock ▶
▼

Features ▲
◇ Timer   Access Code
✓ AutoLock ▶ - - - -
▼

Features ▲
◇ Timer   Access Code
✓ AutoLock ▶ XXXX
▼

AutoLock ▲
✓ Block Channel   Off
◇ Setup Code
◇ Clear All
◇ Block All
◇ Movie Rating
◇ TV Rating
▼

AutoLock ▲
◇ Block Channel
◇ Setup Code
✓ Clear All   Clear ?
◇ Block All
◇ Movie Rating
◇ TV Rating
▼

AutoLock ▲
◇ Block Channel
◇ Setup Code
✓ Clear All   Cleared
◇ Block All
◇ Movie Rating
◇ TV Rating
▼

Channel 12
Blocked By AutoLock
Channel Blocking
Access Code
- - - -

The Clear All option when activated will unblock ALL blocked channels. It will not affect programming blocked by the Movie or TV Rating options.

Or, enter your Access Code to view a tuned channel that is blocked with Block Channel.

There may come a time when you want to Block All the television's channels. Maybe you don't want your children to watch TV for a given time. With the Block All control, ALL available channels (including the A/V Inputs) can be set to block at the same time.

BEGIN

1 Press the MENU button on the remote to show the on-screen menu.

2 Press the CURSOR UP ▶ or DOWN ■ button until the word **FEATURES** is highlighted.

3 Press the CURSOR RIGHT ▶▶ button to display the FEATURES menu options.

4 Press the CURSOR UP ▶ or DOWN ■ button until the words AutoLock are highlighted.

5 Press the CURSOR RIGHT ▶▶ button.

6 Enter the correct access code number. "XXXX" shows on the Access Code display as you **press the NUMBERED buttons.** AutoLock menu options will be displayed.

7 Press the CURSOR UP ▶ or DOWN ■ buttons until the words **BLOCK ALL** are highlighted.

8 Press the CURSOR RIGHT ▶▶ button to turn Block All ON or OFF. When ON is selected, ALL available channels will be blocked.

9 When finished, press the STATUS/EXIT button to remove the menu from the screen.
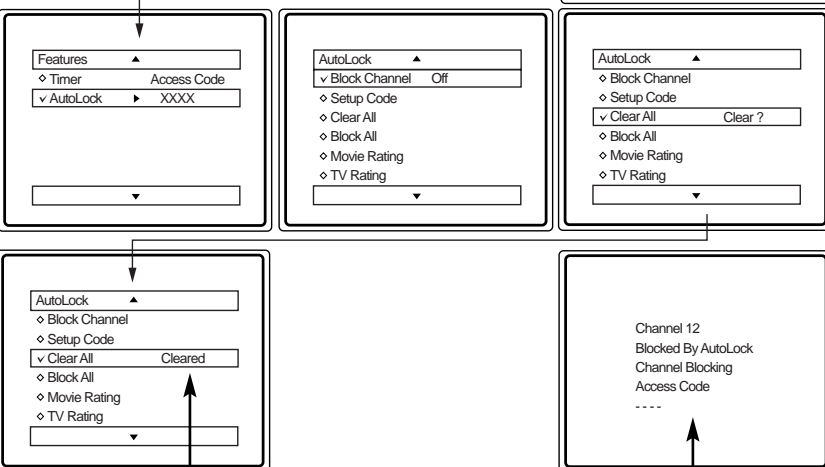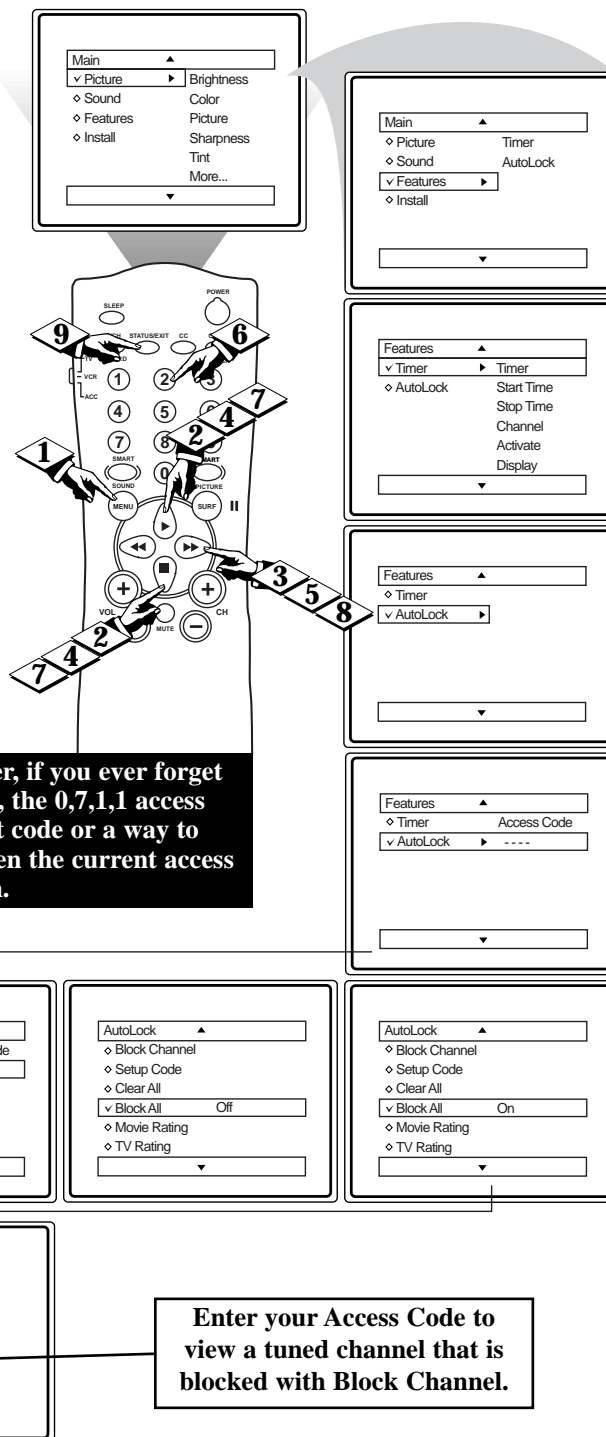
STOP

SMART HELP

If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV has been turned off. When the TV is powered back ON, the previously blocked channels will be blocked again.

NOTE: Remember, if you ever forget your Access Code, the 0,7,1,1 access code is the default code or a way to reset the code when the current access code is not known.

Main	▲
◇ Picture	Timer
◇ Sound	AutoLock
✓ Features	▶
◇ Install	
▼	

Features	▲
✓ Timer	▶ Timer
◇ AutoLock	Start Time
	Stop Time
	Channel
	Activate
	Display
▼	

Features	▲
◇ Timer	
✓ AutoLock	▶
▼	

Features	▲
◇ Timer	Access Code
✓ AutoLock	▶ - - - -
▼	

Features	▲
◇ Timer	Access Code
✓ AutoLock	▶ XXXX
▼	

AutoLock	▲
◇ Block Channel	
◇ Setup Code	
◇ Clear All	
✓ Block All	Off
◇ Movie Rating	
◇ TV Rating	
▼	

AutoLock	▲
◇ Block Channel	
◇ Setup Code	
◇ Clear All	
✓ Block All	On
◇ Movie Rating	
◇ TV Rating	
▼	

Channel 12
Blocked By AutoLock
Channel Blocking
Access Code
- - - -

Enter your Access Code to view a tuned channel that is blocked with Block Channel.

There are two types of program ratings within the AutoLock feature. One is based on the Movie Industry ratings while the other is based on the TV Industry ratings. Both can be used to block or censor programming that has been rated in either manner.

Let's first look at the Movie Rating options of AutoLock:

(BEGIN)

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ▶ or DOWN ■ button** until the word **FEATURES** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the FEATURES menu options.

4 **Press the CURSOR UP ▶ or DOWN ■ button** until AutoLock is highlighted.

5 **Press the CURSOR RIGHT ▶▶ button.** The screen will prompt you for your Access Code.

6 **Using the NUMBERED buttons** on the remote, enter your 4 digit Access Code. The AutoLock menu options will be displayed.

7 **Press the CURSOR UP ▶ or DOWN ■ button** to highlight the words MOVIE RATINGS.

8 **Press the CURSOR RIGHT ▶▶ button** to display the **MOVIE RATINGS** options (G, PG, PG-13, R, NC17, or X).

9 **Press the CURSOR UP ▶ or DOWN ■ button** to highlight any of the Movie Ratings options. When highlighted, all these options can be turned **ON** *(which will allow blocking)* or **OFF** *(which will allow viewing).*

10 **Use the CURSOR RIGHT ▶▶ button** on the remote to turn the rating option ON or OFF.
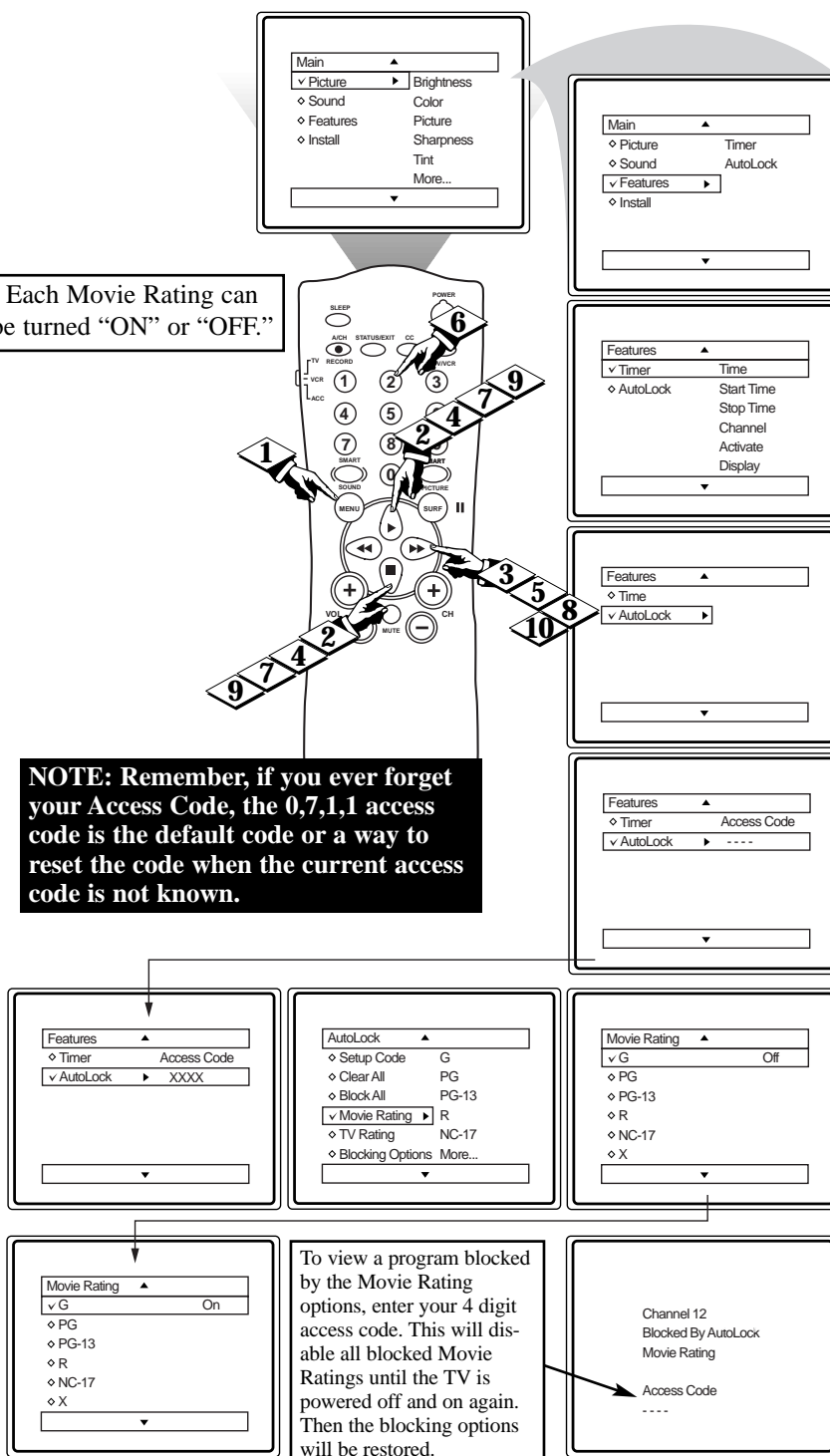
(STOP)

SMART HELP

When a rating is set to block, all higher ratings will be automatically blocked as well. (Example: If the the PG-13 rating is set to block, the R, NC-17, and X ratings will also be blocked.

Each Movie Rating can be turned "ON" or "OFF."

NOTE: Remember, if you ever forget your Access Code, the 0,7,1,1 access code is the default code or a way to reset the code when the current access code is not known.

To view a program blocked by the Movie Rating options, enter your 4 digit access code. This will disable all blocked Movie Ratings until the TV is powered off and on again. Then the blocking options will be restored.

This portion of the AutoLock features cover program ratings based on the TV Industry rating system. This is known as TV Ratings within AutoLock.

After selecting the Autolock feature and entering your personal access code, the AutoLock options screen appears;

(BEGIN)

① **Scroll the menu using the CURSOR UP ▶ or DOWN ■ buttons** until the words **TV RATINGS** are highlighted.

② **Press the CURSOR RIGHT ▶▶ button** to display the **TV Ratings (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA).** When highlighted, the TV-Y and TV-G can be turned **ON** *(which will allow blocking)* or **OFF** *(which will allow viewing)*, of these rated programs.

The ratings of TV-Y7, TV-PG, TV-14, TV-MA can be customized to block V (violence), FV (fantasy violence), S (sexual situations), L (coarse language), or D (suggestive dialogue).

③ **Press the CURSOR UP ▶ or DOWN ■ button** to highlight the desired rating.

④ **Press the CURSOR RIGHT ▶▶ button** on the remote to turn the TV-Y or TV-G rating ON or OFF. **Or, press the CURSOR RIGHT ▶▶ button** to enter the sub-menus for the TV-Y7, TV-PG, TV-14 or TV-MA ratings.

⑤ If the TV-Y7, TV-PG, TV-14 or TV-MA sub-menu is accessed, **press the CURSOR UP ▶ or CURSOR DOWN ■ button** to select one of the options (Block All, V, S, L, D, or FV).

⑥ **Press the CURSOR RIGHT ▶▶ button** on the remote to turn the option ON or OFF.

(STOP)

To view a program blocked by the TV Rating options, enter your 4 digit access code. This will disable all blocked TV Ratings until the TV is powered off and on again. Then the blocking options will be restored.

Channel 12
Blocked By AutoLock
TV Rating

Access Code
- - - -

AutoLock	▲
◇ Block Channel	TV-Y
◇ Setup Code	TV-Y7
◇ Clear All	TV-G
◇ Block All	TV-PG
◇ Movie Rating	TV-14
✓ TV Rating ▶	TV-MA
▼	

TV Rating	▲
✓ TV-Y	Off
◇ TV-Y7	
◇ TV-G	
◇ TV-PG	
◇ TV-14	
◇ TV-MA	
▼	

TV Rating	▲
✓ TV-Y	On
◇ TV-Y7	
◇ TV-G	
◇ TV-PG	
◇ TV-14	
◇ TV-MA	
▼	

TV Rating	▲
◇ TV-Y	Block All
✓ TV-Y7 ▶	FV
◇ TV-G	
◇ TV-PG	
◇ TV-14	
◇ TV-MA	
▼	

TV Rating	▲
◇ TV-Y	
◇ TV-Y7	
✓ TV-G	Off
◇ TV-PG	
◇ TV-14	
◇ TV-MA	
▼	

TV Rating	▲
◇ TV-Y	Block All
◇ TV-Y7	V
◇ TV-G	S
✓ TV-PG ▶	L
◇ TV-14	D
◇ TV-MA	
▼	

TV Rating	▲
◇ TV-Y	Block All
◇ TV-Y7	V
◇ TV-G	S
◇ TV-PG	L
✓ TV-14 ▶	D
◇ TV-MA	
▼	

TV Rating	▲
◇ TV-Y	Block All
◇ TV-Y7	V
◇ TV-G	S
◇ TV-PG	L
◇ TV-14	
✓ TV-MA ▶	
▼	

TV Ratings and Rating Sub-Menus
When a TV Rating is selected to block, ALL higher ratings will be blocked also.

TV-Y - (All children -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV-Y7 - (Directed to Older Children -- *This program is designed for children age 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV-G - (General Audience -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language and little or no sexual dialogue or situations.

TV-PG - (Parental Guidance Suggested -- *This program contains material that parents may find unsuitable for younger children.*)This type of programming contains one or more of the following: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).

TV-14 - (Parents Strongly Cautioned -- *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).

TV-MA - (Mature Audience Only -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: crude indecent language (L), explicit sexual situations (S), or graphic violence (V).
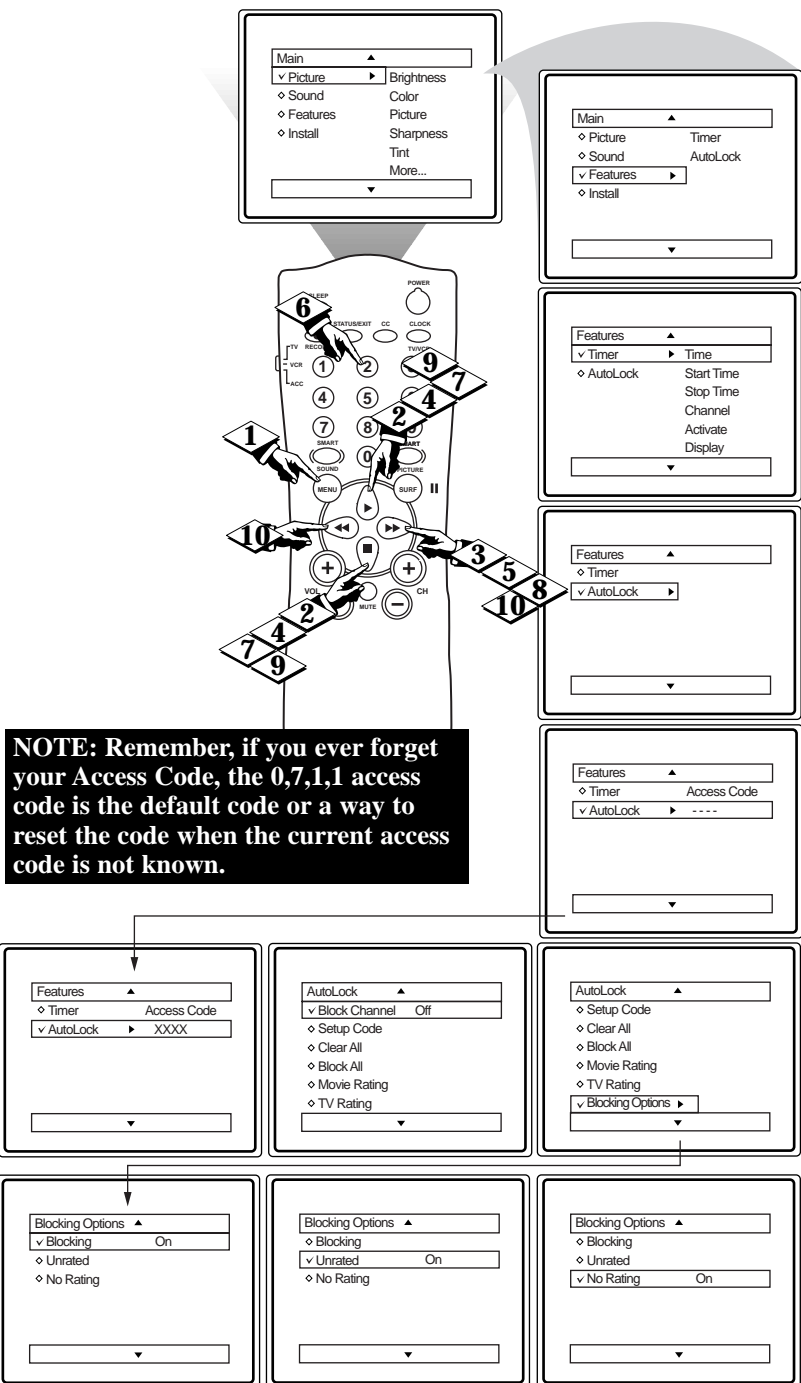
AutoLock offers the viewer other blocking features as well. With these Blocking Options, the censoring can be turned ON or OFF.

(BEGIN)

1 **Press the MENU button** on the remote to show the on-screen menu.

2 **Press the CURSOR UP ▶ or DOWN ■ button** until the word **FEATURES** is highlighted.

3 **Press the CURSOR RIGHT ▶▶ button** to display the FEATURES menu options.

4 **Press the CURSOR UP ▶ or DOWN ■ button** until the words AutoLock are highlighted.

5 **Press the CURSOR RIGHT ▶▶ button.**

6 **Enter the correct access code number. "XXXX"** shows on the Access Code display as you **press the NUMBERED buttons.** AutoLock menu options will be displayed.

7 **Press the CURSOR UP ▶ or DOWN ■ buttons** until the words **BLOCKING OPTIONS** are highlighted.

8 **Press the CURSOR RIGHT ▶▶ button** to display the **Blocking Options (BLOCKING, UNRATED, or NO RATING) menu.**

9 **Press the CURSOR UP ▶ or DOWN ■ buttons to** highlight the desired feature.

10 When highlighted, each feature can be turned **ON** or **OFF using the CURSOR RIGHT ▶▶ or LEFT ◀◀ buttons** on the remote.

(STOP)

NOTE: Remember, if you ever forget your Access Code, the 0,7,1,1 access code is the default code or a way to reset the code when the current access code is not known.

Main	▲	
∨ Picture	▶	Brightness
◇ Sound		Color
◇ Features		Picture
◇ Install		Sharpness
		Tint
		More...
▼		

Main	▲	
◇ Picture		Timer
◇ Sound		AutoLock
∨ Features	▶	
◇ Install		
▼		

Features	▲	
∨ Timer	▶	Time
◇ AutoLock		Start Time
		Stop Time
		Channel
		Activate
		Display
▼		

Features	▲	
◇ Timer		
∨ AutoLock	▶	
▼		

Features	▲	
◇ Timer		Access Code
∨ AutoLock	▶	- - - -
▼		

Features	▲	
◇ Timer		Access Code
∨ AutoLock	▶	XXXX
▼		

AutoLock	▲
∨ Block Channel	Off
◇ Setup Code	
◇ Clear All	
◇ Block All	
◇ Movie Rating	
◇ TV Rating	
▼	

AutoLock	▲
◇ Setup Code	
◇ Clear All	
◇ Block All	
◇ Movie Rating	
◇ TV Rating	
∨ Blocking Options ▶	
▼	

Blocking Options	▲	
∨ Blocking		On
◇ Unrated		
◇ No Rating		
▼		

Blocking Options	▲	
◇ Blocking		
∨ Unrated		On
◇ No Rating		
▼		

Blocking Options	▲	
◇ Blocking		
◇ Unrated		
∨ No Rating		On
▼		

BLOCKING OPTIONS:

BLOCKING: This is what might be called the "master switch" for AutoLock. When in the ON position, ALL blocking/censoring will take place. When in the OFF position, ALL blocking is disabled.

UNRATED: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to ON and the BLOCKING feature is set to OFF.

NO RATING: ALL programming with NO content advisory data can be blocked if this feature is set to ON and the BLOCKING feature is set to OFF.

Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on-screen "text boxes" to show dialogue and conversations while the TV program is in progress.
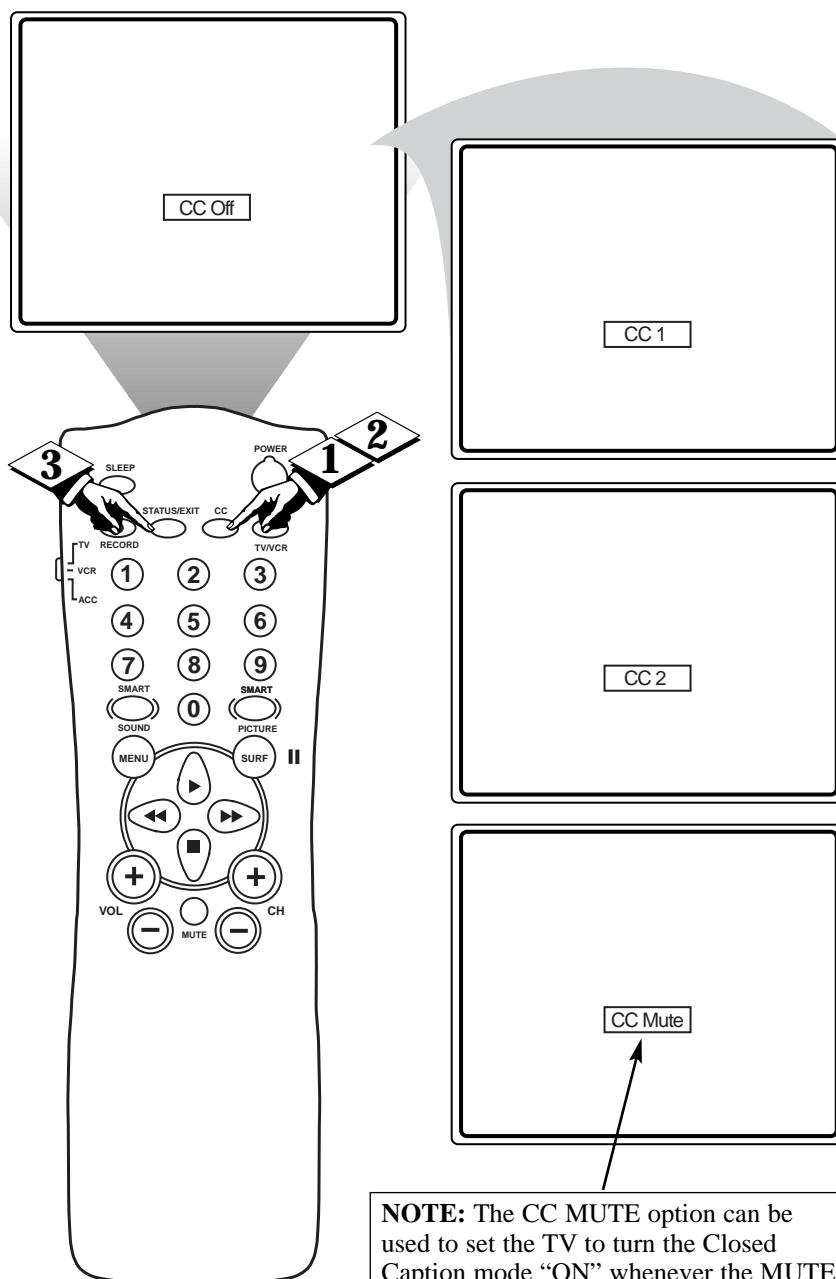
BEGIN

1 **Press the CC button** on the remote to display the current Closed Caption setting.

2 **Press the CC button repeatedly** to choose from the four Closed Caption options (CC Off, CC 1, CC 2, CC Mute). Dialogue (and descriptions) for the action on the captioned TV program will appear on-screen if the tuned program is broadcasting CC information.

3 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen or let the option time out and disappear from the TV screen.

STOP

SMART HELP

Not all TV programs and product commercials are made with Closed Caption (CC) information included. Neither are all Closed Caption modes (CC 1, or CC 2) necessarily being used during the transmission of a closed caption program. Refer to your area's TV program listings for the stations and times of Closed Caption shows.

CC Off

CC 1

CC 2

CC Mute

NOTE: The CC MUTE option can be used to set the TV to turn the Closed Caption mode "ON" whenever the MUTE button on the remote is pressed. This activates the CC1 option.
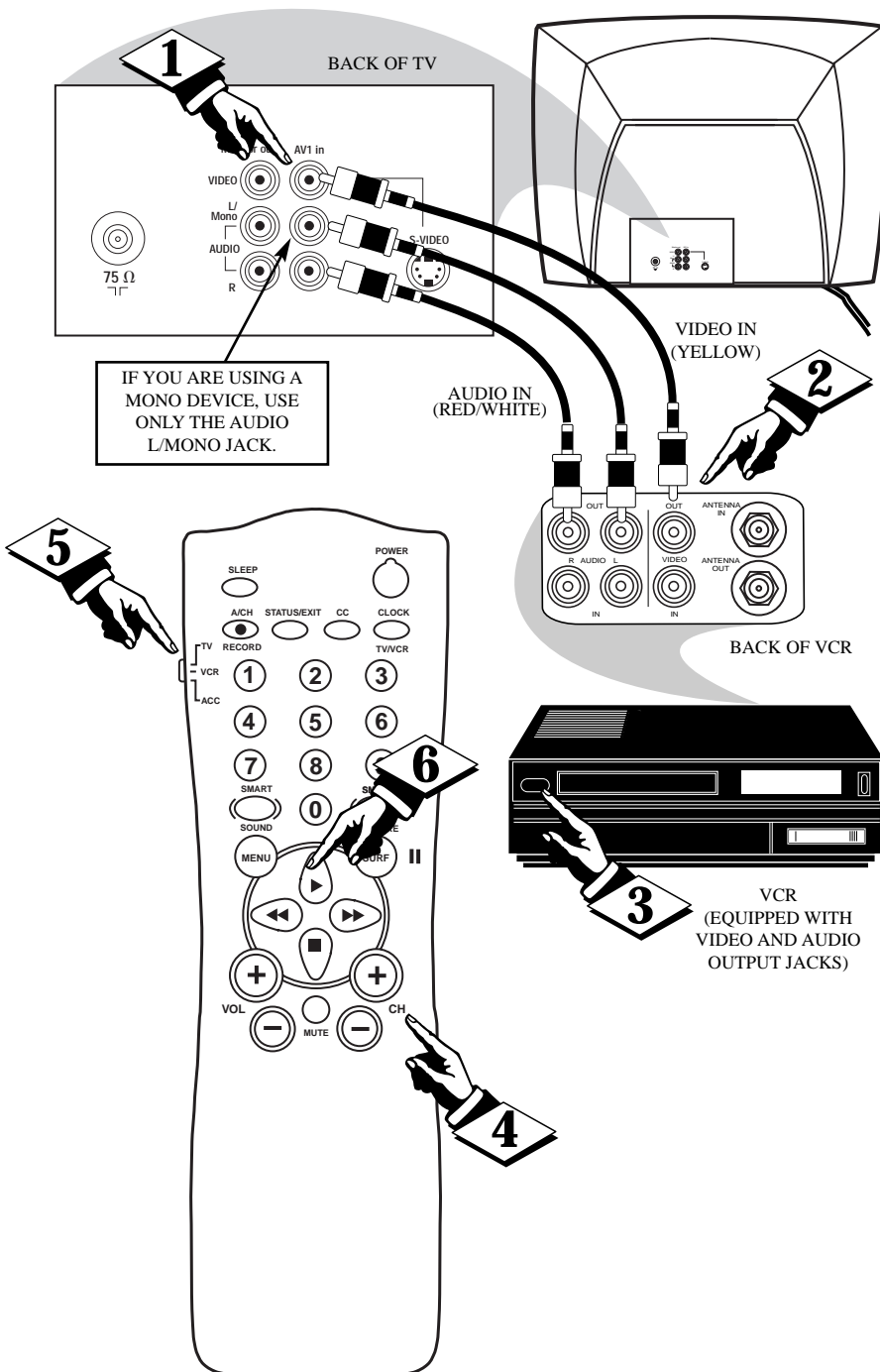
Let's
Look
Inside!

The TV's Audio/Video Input jacks are for direct picture and sound connections between the TV and a VCR (or similar accessory device) that has Audio/Video Output jacks.

BEGIN

1 **Connect one end of the VIDEO (yellow) CABLE** to the AV1 in VIDEO jack on the back of the TV. Then connect one end the AUDIO (red and white) CABLES to the AV1 in AUDIO L and R(left and right) jacks on the rear of the TV**.**

2 **Connect other end of the VIDEO (yellow) CABLE** to the VIDEO OUT jack on the back of the VCR. Then connect the other ends of the AUDIO (red and white) CABLES to the AUDIO (left and right) OUT jacks on the rear of the VCR.

3 **Turn the VCR and the TV ON.**

4 **Press the CH + or – buttons** on the remote to scroll the channels until AV1 appears in the upper left corner of the TV screen.

5 **Slide the TV/VCR/ACC switch** to the VCR position.

6 Now your ready to place a prerecorded video tape in the VCR and **press the PLAY ▶ button.**

STOP

1 BACK OF TV

AV1 in

VIDEO

L/
Mono

AUDIO

75 Ω

R

S-VIDEO

IF YOU ARE USING A MONO DEVICE, USE ONLY THE AUDIO L/MONO JACK.

VIDEO IN (YELLOW)

AUDIO IN (RED/WHITE)

2

OUT   OUT

R AUDIO L   VIDEO

IN   IN

ANTENNA IN

ANTENNA OUT

BACK OF VCR

5

POWER

SLEEP

A/CH   STATUS/EXIT   CC   CLOCK

TV   RECORD   TV/VCR

VCR   (1)   (2)   (3)

ACC   (4)   (5)   (6)

(7)   (8)   **6**

SMART

(0)

SOUND

MENU   SURF   II

▶

◀◀   ▶▶

■

VOL +   CH +

–   MUTE   –

VCR
(EQUIPPED WITH
VIDEO AND AUDIO
OUTPUT JACKS)

3

4

The Audio/Video (Monitor) Output jacks are great for recording with a VCR or used to connect an external audio system for better sound reproduction.

(BEGIN)

1 **For an external audio system, connect one end of the R(ight) and L(eft) AUDIO (Monitor Out)** jacks on the TV to the R and L audio input jacks on your amplifier or sound system. Set the audio system's volume to a normal listening level.

2 **Turn the TV and audio system ON.** You can hear TV sound coming from the audio system. Adjust the volume at the audio system to a comfortable listening level.

To connect a second VCR for recording:

3 **Connect one end of the yellow Video Cable** to the Monitor Out VIDEO plug. Connect the other end to the VIDEO IN plug on the second VCR.

4 **Connect one end of the red and white Audio cable** from the Monitor Out AUDIO L and R plugs on the TV to the AUDIO IN plugs on the VCR.

5 Turn the VCR ON, insert a blank VHS tape and it's ready to record what's being viewed on the TV screen.

STOP

IF YOU ARE USING A MONO DEVICE, USE ONLY THE AUDIO L/MONO JACK.

For Stereo System:

BACK OF TV

Monitor out   AV1 in

VIDEO

L/Mono

AUDIO

R

S-VIDEO

75 Ω

AUDIO IN (RED/WHITE)

R   L

AUX/TV INPUT

PHONO INPUT

External audio System

For Second VCR:

BACK OF TV

Monitor out   AV1 in

VIDEO

Mono

AUDIO

75 Ω

R

S-VIDEO

AUDIO IN (RED/WHITE)

VIDEO IN (YELLOW)

BACK OF VCR

ANTENNA IN

ANTENNA OUT

VIDEO IN

AUDIO R

IN

OUT   OUT

ANTENNA IN

R AUDIO L   VIDEO

IN   IN

ANTENNA OUT

BACK OF VCR

VCR Number Two

VCR Number One

24

Let's Look Inside!
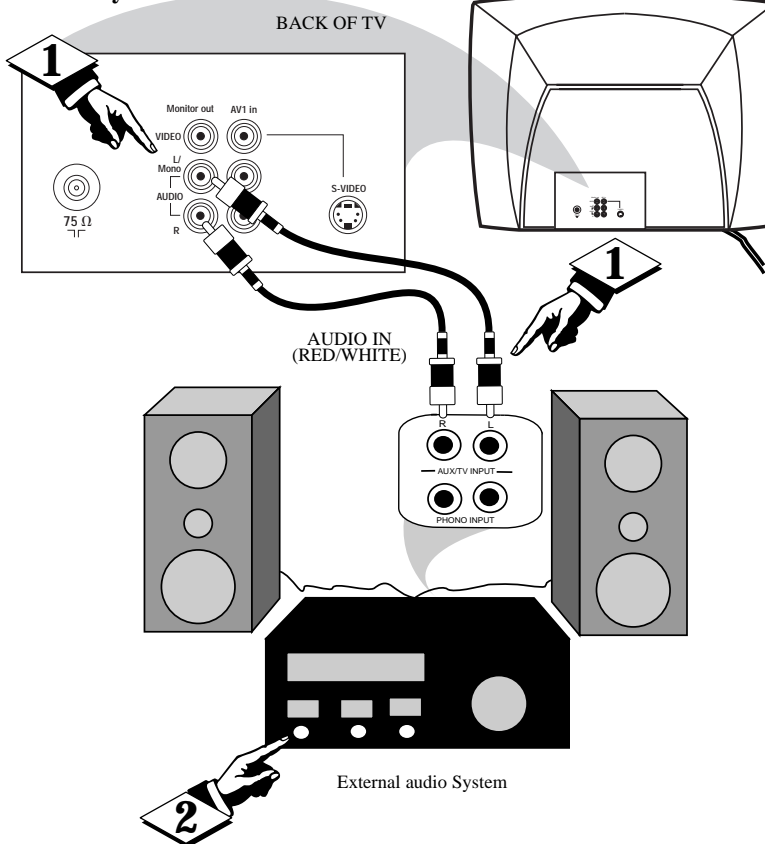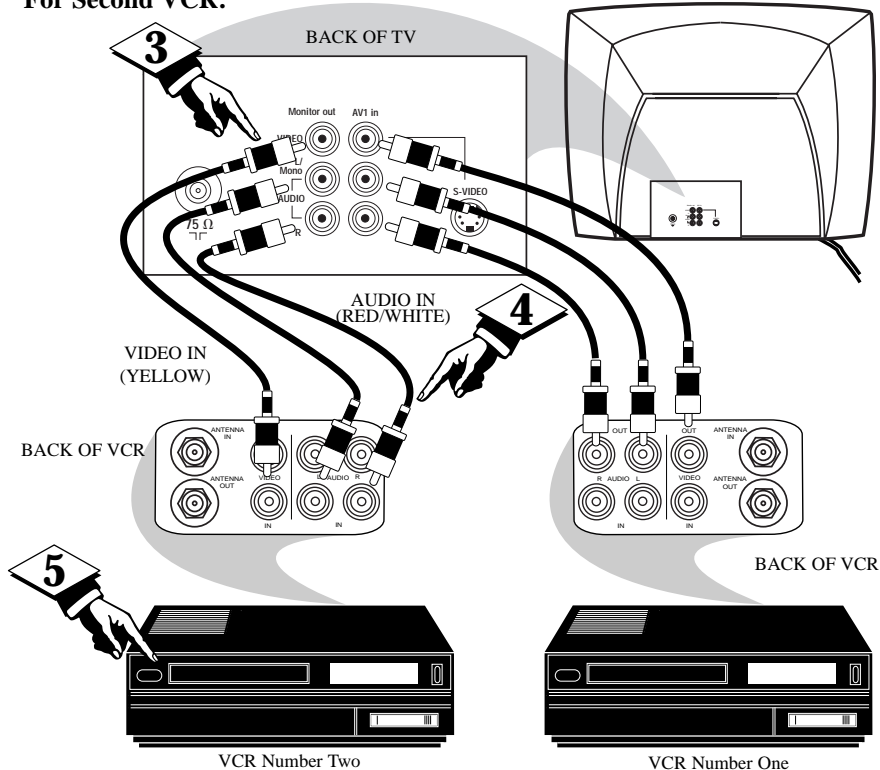
*T*he S(uper)-Video connection on the rear of the TV can provide you with better picture detail and clarity for the playback of accessory sources such as DBS (digital broadcast satellite), DVD (digital video discs), video games, and S-VHS VCR (video cassette recorder) tapes than the normal antenna picture connections.

NOTE: The accessory device must have an S-VIDEO OUT(put) jack in order for you to complete the connection on this page.
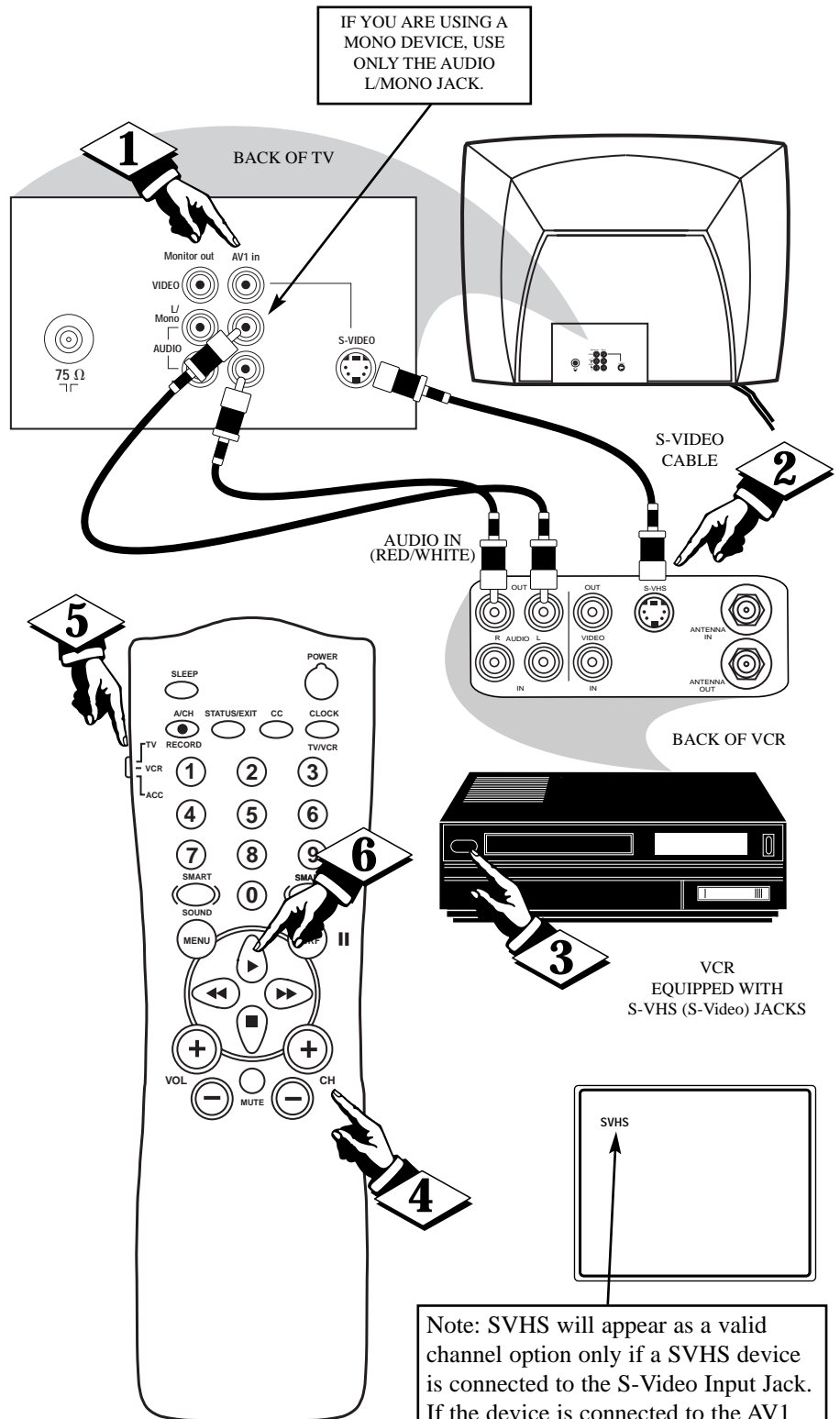
BEGIN

1 **Connect one end of the S-VIDEO CABLE** to the S-VIDEO jack on the back of the TV. Then connect one end the AUDIO (red and white) CABLES to the AV1 in AUDIO L and R(left and right) jacks on the rear of the TV**.**

2 **Connect other end of the S-VIDEO CABLE** to the S-VHS (S-Video) OUT jack on the back of the VCR. Then connect the other ends of the AUDIO (red and white) CABLES to the AUDIO (left and right) OUT jacks on the rear of the VCR.

3 **Turn the VCR and the TV ON.**

4 **Press the CH + or – buttons** on the remote to scroll the channels until SVHS appears in the upper left corner of the TV screen.

5 **Slide the TV/VCR/ACC switch** to the VCR position.

6 Now your ready to place a prerecorded video tape in the VCR and **press the PLAY ▶ button.**

STOP

SMART HELP

The S-VIDEO and VIDEO AV1 in(puts) are in parallel. The S-VIDEO input is dominant when in use. If separate video signals are connected to the S-VIDEO and VIDEO AV1 in(put), the signal from the VIDEO AV1 in(put) will not be usable.

IF YOU ARE USING A MONO DEVICE, USE ONLY THE AUDIO L/MONO JACK.

BACK OF TV

Monitor out   AV1 in
VIDEO
L/Mono
AUDIO
75 Ω
S-VIDEO

S-VIDEO CABLE

AUDIO IN (RED/WHITE)

OUT   OUT   S-VHS
R   AUDIO   L   VIDEO   ANTENNA IN
IN   IN   ANTENNA OUT

BACK OF VCR

SLEEP   POWER

A/CH   STATUS/EXIT   CC   CLOCK
RECORD   TV/VCR
TV
VCR   1   2   3
ACC   4   5   6
7   8   9
SMART   SMA
0
SOUND
MENU   II
▶
◀◀   ▶▶
■
+   +
VOL   —   MUTE   —   CH

VCR EQUIPPED WITH S-VHS (S-Video) JACKS

SVHS

Note: SVHS will appear as a valid channel option only if a SVHS device is connected to the S-Video Input Jack. If the device is connected to the AV1 Video In, the channel will appear as AV1.

Have you ever fallen asleep in front of the TV only to have it wake you up at two in the morning with a test pattern screeching in your ears? Well, your TV can save you all that trouble by automatically turning itself off.

(BEGIN)

⟨1⟩ **Press the SLEEP button** on the remote control and the SLEEP timer display will appear on the screen.

⟨2⟩ **Press the SLEEP button** repeatedly to pick the amount of time (15, 30, 45, 60, 90, 120, 180, or 240 minutes) before the TV will turn itself off.

An on-screen count down will appear during the last minute before the TV shuts itself off.

STOP

SMART HELP

The on-screen menu will time out and disappear from the screen when you finish, or you can press the STATUS/EXIT button to clear the menu from the screen.

After a Sleeptimer setting has been made, pressing the STATUS/EXIT button will display the remaining time before the TV will shut itself off.

15 Min

30 Min

45 Min

60 Min

90 Min

120 Min

180 Min

240 Min
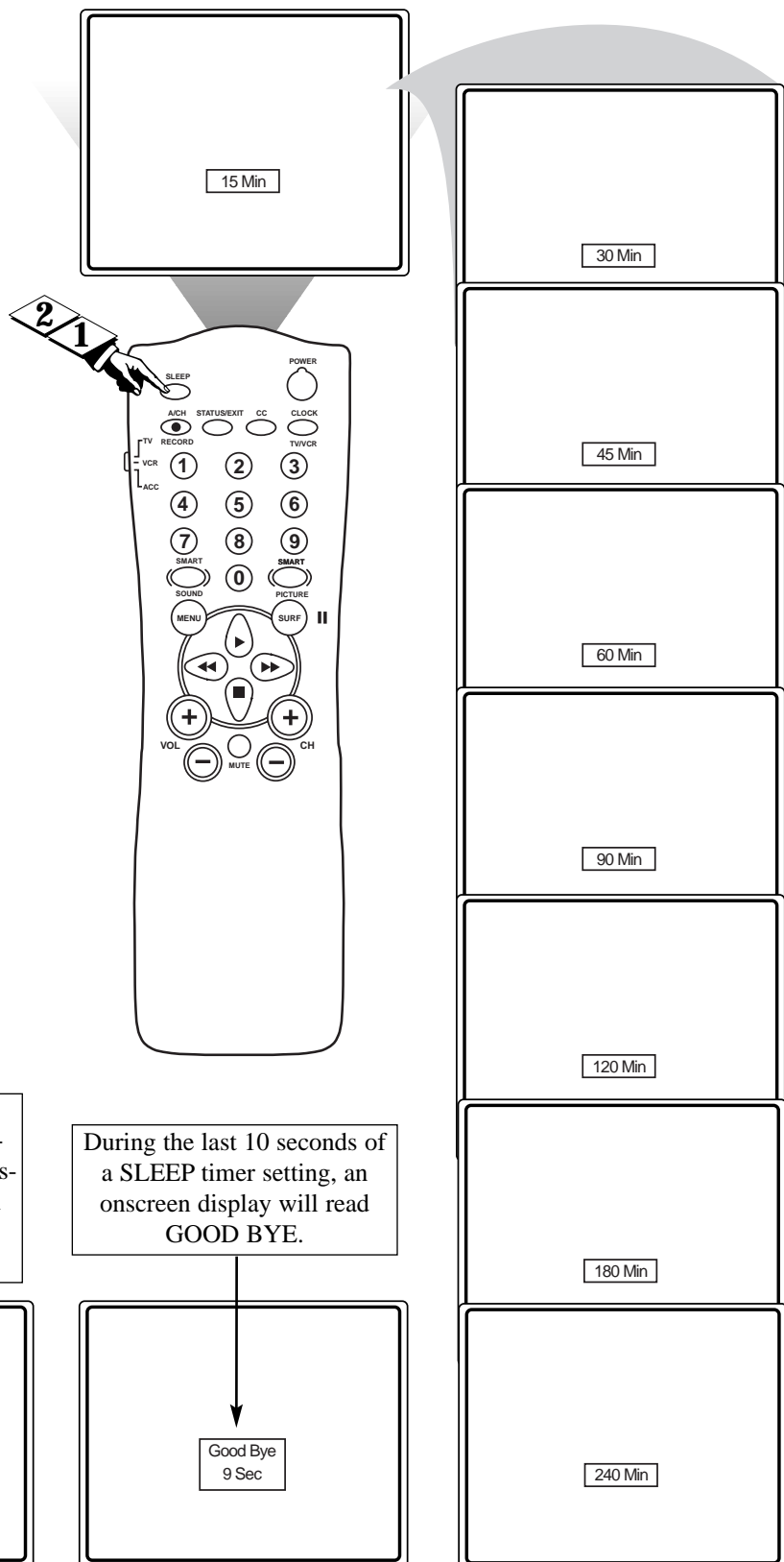
During the last minute of a SLEEP timer setting, an on-screen count down will be displayed. Pressing any button during the last minute will cancel the SLEEP timer.

45 Sec
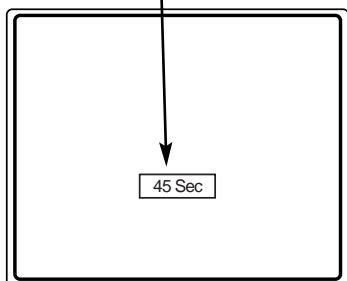
During the last 10 seconds of a SLEEP timer setting, an onscreen display will read GOOD BYE.

Good Bye
9 Sec
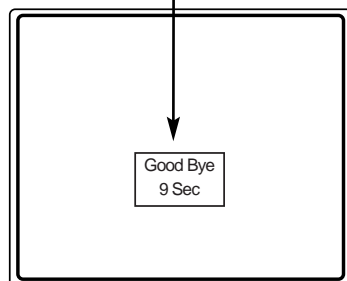
Whether you're watching a movie or a sporting event, your TV has automatic video control settings matched for your current program source or content. The Auto Picture feature quickly resets your TV's video controls for a number of different types of programs and viewing conditions you may have in your home. Each Auto Picture setting is preset at the factory to automatically adjust the TV's Brightness, Color, Picture, Sharpness, Tint, Color Temperature, DNR and Contrast+ levels.

(BEGIN)

1 ▷ **Press the AUTO PICTURE button** on the remote control. The current Auto Picture setting will appear in the middle of the screen.

2 ▷

Press the AUTO PICTURE button repeatedly to select either PERSONAL, MOVIES, SPORTS, WEAK SIGNAL, or MULTI MEDIA picture settings.

Note: The **PERSONAL** setting is the setting that you setup using the PIC-TURE options within the on-screen menu. This is the only Auto Picture setting that can be changed. All other settings are setup at the factory during the time of production.

MOVIES - Preset picture options for watching Video Tapes, or DVDs.

SPORTS - Preset picture options for watching sporting events.

WEAK SIGNAL - Preset picture options for watching programs where the reception is not at its best.

MULTI MEDIA - Preset picture options for use with video gaming.

STOP

Personal

Movies

Sports

Weak Signal

Multi Media
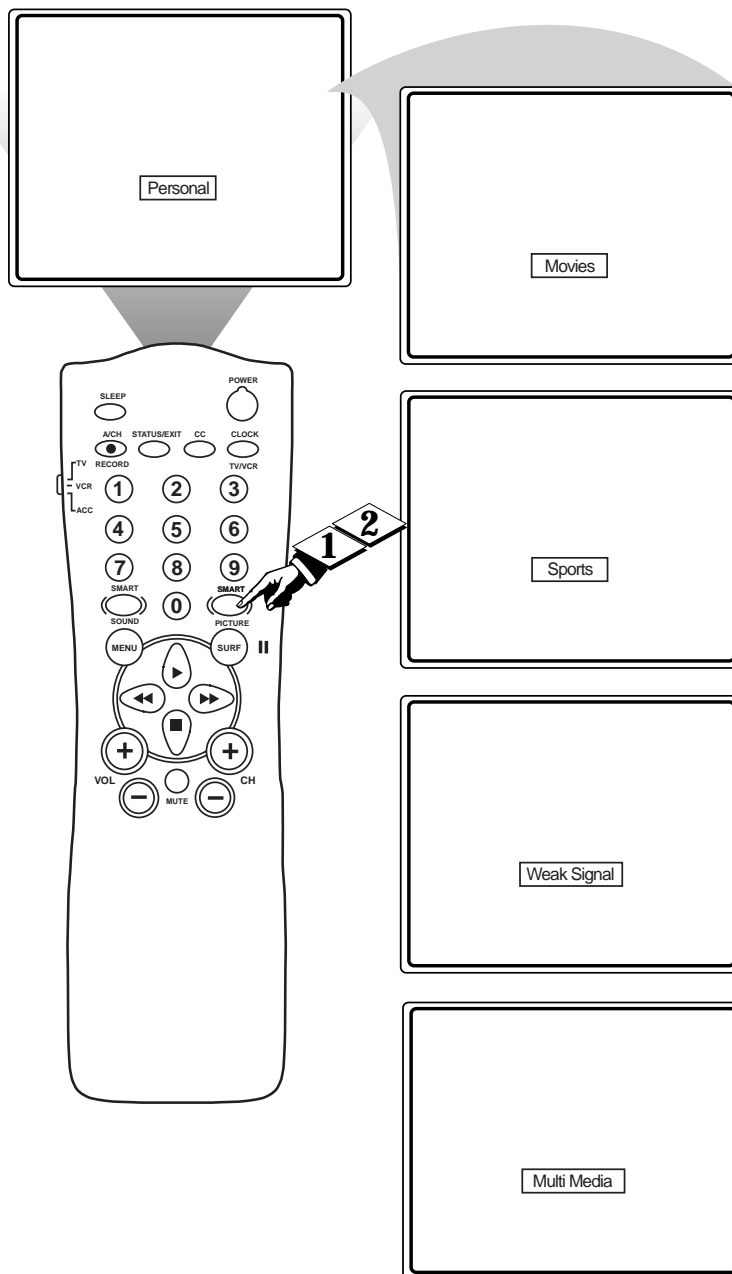
The Auto Sound feature allows the listener to select between four different factory set sound options. Personal (which can be set by the user), Theatre (for movie viewing), Music (for musical type programming) and Voice (when the program is mainly dialogue). These setting affect the Sound menu's Bass, Treble, AVL, and Incredible Surround controls

To select any of the options follow the directions below.

BEGIN

1 **Press the AUTO SOUND button** on the remote control. The current Auto Sound setting will appear in the middle of the screen.

2 **Press the AUTO SOUND button repeatedly** to toggle between the four settings.

Note: Only the **PERSONAL** control can be changed by the viewer. This changes the settings in the main on-screen menu's sound controls.

THEATRE - Preset sound options for watching movies.

MUSIC - Preset sound options for musical programming where there is little dialogue.

VOICE - Preset sound options for programming where heavy dialogue is present.

STOP

Personal

Theatre

Music

Voice

SLEEP
POWER
A/CH   STATUS/EXIT   CC   CLOCK
RECORD
TV   1   2   3   TV/VCR
VCR
ACC   4   5   6
7   8   9
SMART   SMART
SOUND   0   PICTURE
MENU   SURF   ‖
◀◀   ▶▶
■
VOL   +   +   CH
MUTE

A *"list" or series of previously viewed channels can be selected using the SURF button on your remote control. With this feature you can easily switch between different TV programs that currently interest you. The SmartSurf control allows you set up to 8 channels in its quick viewing "list".*

(BEGIN)

1 **Press the CHANNEL (+) or (–) buttons** (or the NUMBER buttons) to select a channel to add to the SURF list.

2 **Press the SURF button** on the remote. The channel number will be displayed with the word ADD to the right.

3 **Press the CURSOR RIGHT button** to ADD the channel to the Surf list. The display will change from ADD to DELETE.

Repeat steps 1 through 3 to add additional channels (up to 8) to the SURF list. As soon as a ninth channel is added, the first channel in the list will be removed.

How to select Surf channels:

4 **Press the Surf button** on the remote control.

5 **Press the CURSOR UP or CURSOR DOWN button** to scroll the list of up to 8 channels. As you scroll to a channel the TV will tune to that channel.

To remove a channel from the SURF list:

Follow steps 4 and 5 to select a channel in the Surf list.

6 While the Surf Channel List is still displayed on the screen, **press the CURSOR RIGHT button** to DELETE the channel from the list. The display will change from DELETE to ADD.

STOP
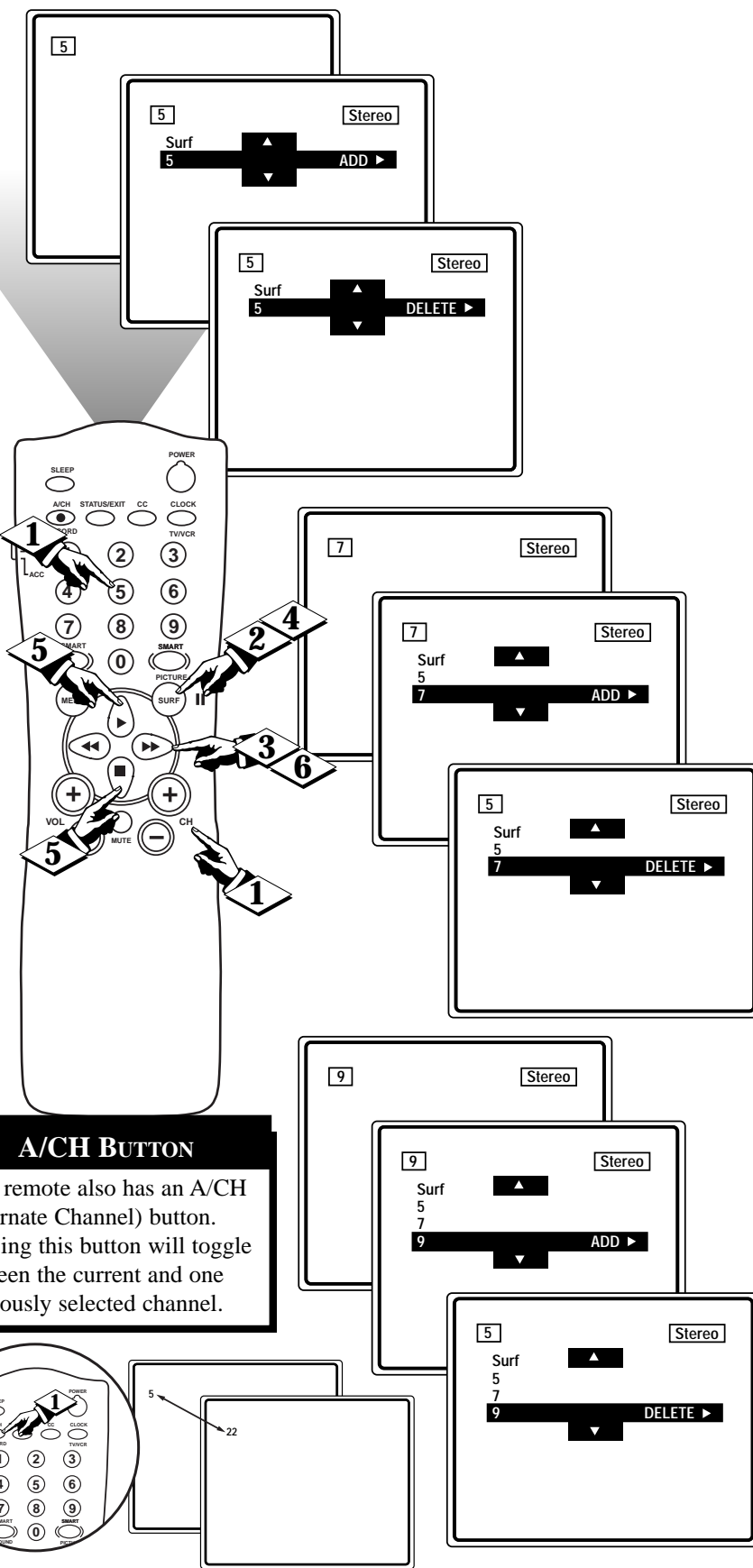
A/CH BUTTON

Your remote also has an A/CH (Alternate Channel) button. Pressing this button will toggle between the current and one previously selected channel.

29

Your remote control is set to work your TV and many infrared remote (IR) control VCRs, Cable Boxes, Satellite Systems, DBS, DVD, etc. However, an easy onetime step may be necessary before the remote will work your VCR.

Try this initial check to see if going on to the following section is necessary.

BEGIN

1 **Place the TV/VCR/ACC Mode Switch** in the proper position.

2 **Point the remote control** at the device and press the POWER button.

3 Does the remote turn the device ON?

If YES, stop and try other function buttons on the remote. If they also work the device, then the remote is ready and no further steps are needed.

If NO, continue...

1 First look up a **THREE-DIGIT remote control number** for your brand of Device before going through the simple steps on the following page.

Find your Three-Digit Code on pages 33-34.

SMART HELP

Remember, if more than one number is listed, you may have to try more than the first Three-Digit code given in order to locate your Device's remote code.

NOTE: Setting up the remote is for use with external accessory devices only and not for use with other television brands.

SLEEP

A/CH   STATUS/EXIT   CC

RECORD

TV

VCR

ACC

VCR

Satellite Receiver

Cable Converter

1   2   3

4   5   6

7   8

SMART

0
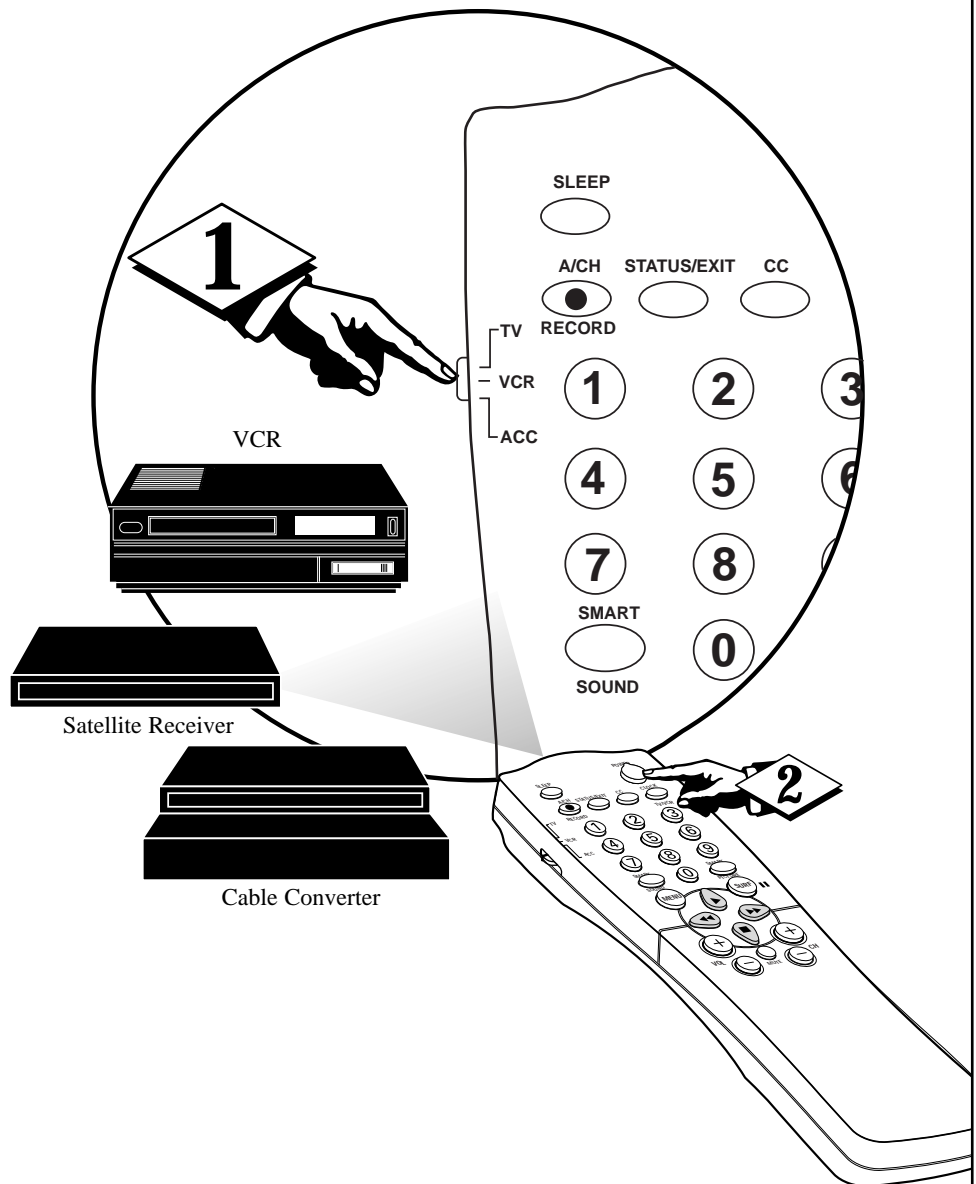
SOUND

Direct Access Method

Now that you have looked up the three-digit Remote Code Number for your brand of device, you are ready to follow the four simple steps below.

Please read through steps 1-4 before beginning.

(BEGIN)

1 **Place the TV/VCR/ACC Mode Switch** in the proper position.

2 **Press the VCR RECORD button** on the remote control and release.

3 **Press the SmartSound button** on the remote within 30 seconds, then release.

4 **Enter the THREE-DIGIT REMOTE CODE NUMBER** for your desired device. The remote is now ready to send commands to the unit.

5 **Point the remote** at the Device. Press the POWER button on the remote to turn the unit ON.

(STOP)

VCR

Satellite Receiver or DBS, DVD

Cable Converter

SMART HELP

Remember, if this doesn't work the first time, repeat steps using the same remote code number.

After a second try and the remote does not operate your device, see if there is another three-digit code number (pages 33-34) listed for your device and repeat the steps above using the new number.

If after repeated attempts the code number method does not work you device, try the **SEARCH METHOD** on the next page.

NOTE: Setting up the remote is for use with external accessory devices only and not for use with other television brands.
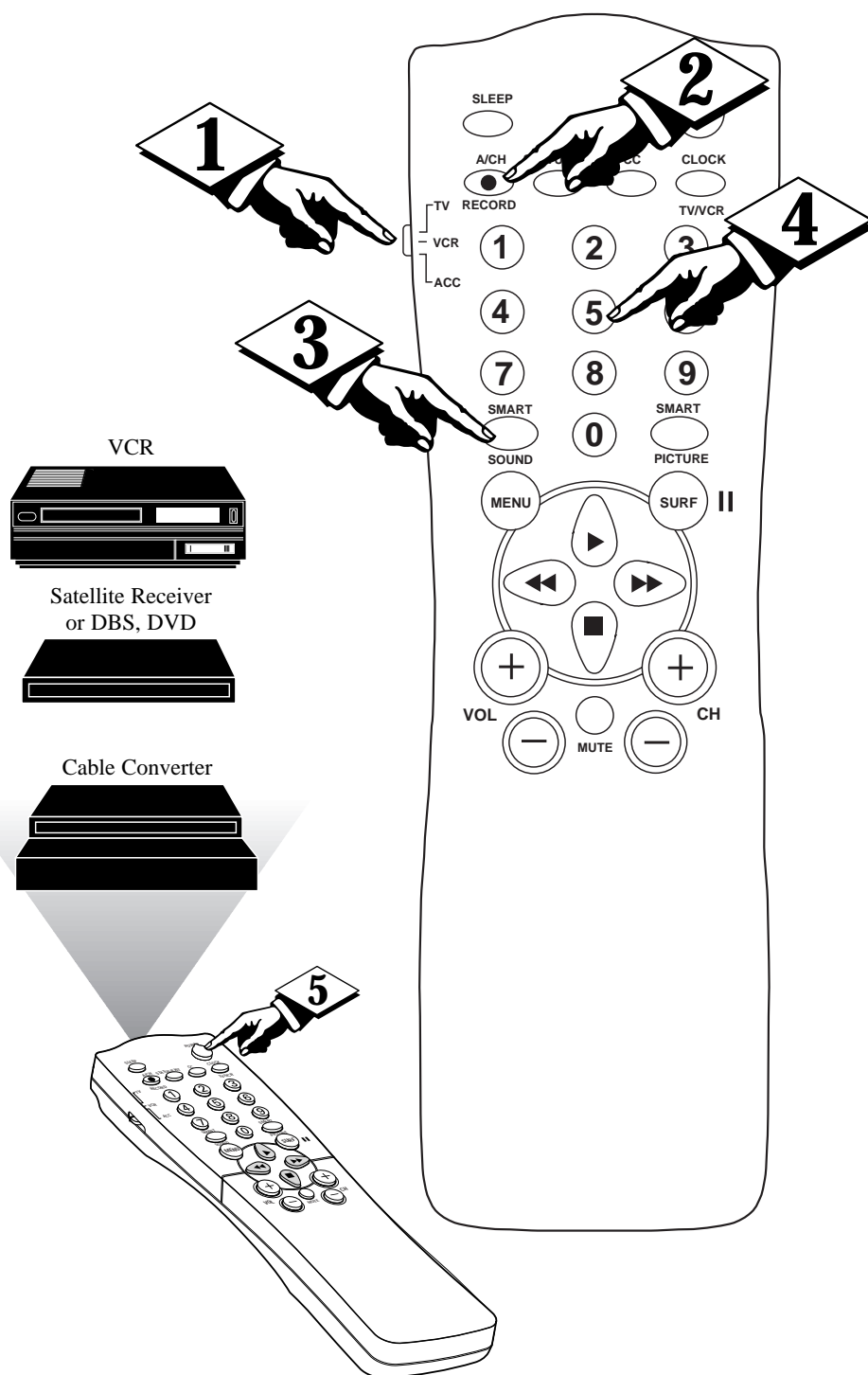
Search Method

Your TV remote can be set to work various external devices such as VCRs, Cable Boxes, Satellite Receivers, DBS, DVD, etc. by what is called the search method of remote control programming.

If the "Remote Code" number method shown on the previous page did not set your remote to work your external device, then follow the easy steps listed below.

Please read steps 1-4 before beginning.

(BEGIN)

1 **Press the POWER button** on the device your are attempting to program to turn it ON.

2 **Place the TV/VCR/ACC Mode Switch** in the proper position.

3 **Press the (A/CH) • RECORD and the SMART SOUND buttons simultaneously** and hold them down.

4 The device will begin to change channels after the remote identifies the correct code. When the channels start to change release the VCR RECORD and SMART SOUND buttons. The remote should be ready to operate the device.

STOP

SMART HELP

This method can take up to two minutes to perform.

Don't let the device scan up more than five channels. If you do the remote may pass up the right code and another two minute search cycle will have to be repeated.

If no channel change happens within two minutes, repeat steps 1-4. Should a channel change still not occur, the remote will not work the desired device.
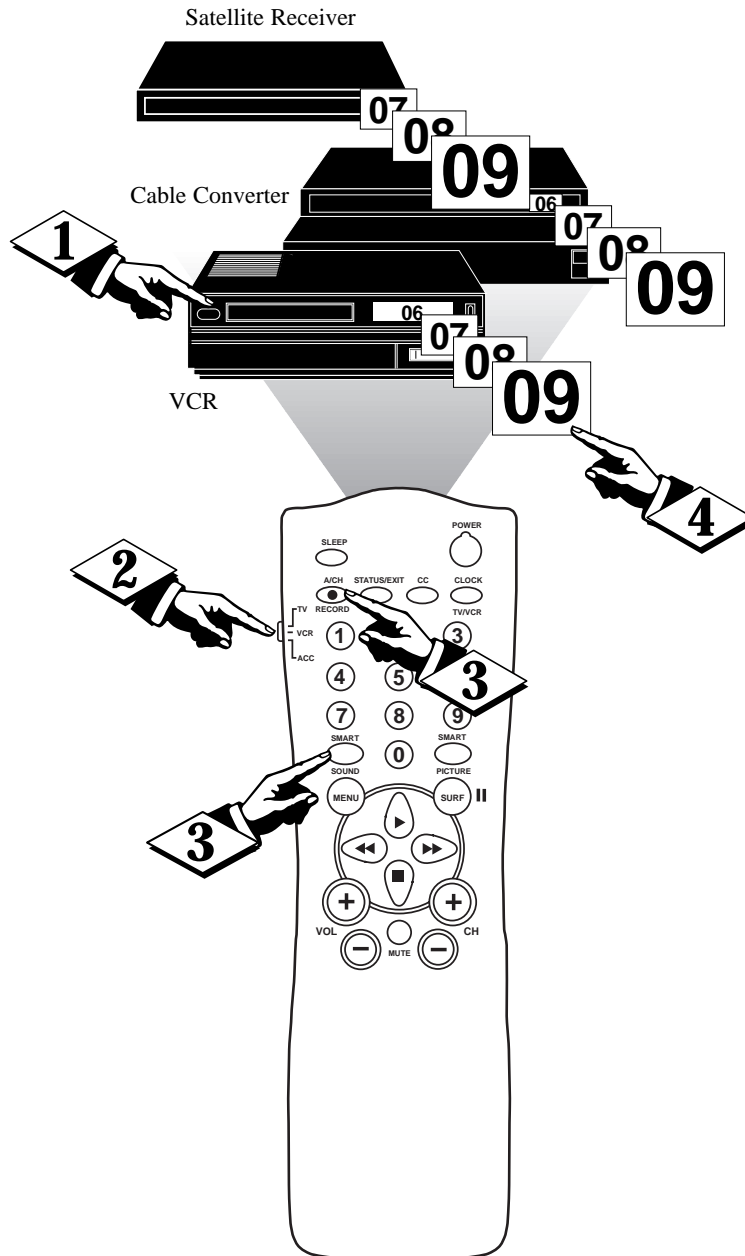
Satellite Receiver

Cable Converter

VCR

NOTE: Setting up the remote is for use with external accessory devices only and not for use with other television brands.

VCR	REMOTE CODE NO.
Admiral	048
Advantz	358
Adventure	000
Aiko	278
Aiwa	000, 037, 307, 348, 352
Akai	041, 049, 053, 061, 106, 315
Alba	352
Amercian High	035
Amstrad	325, 332
Asha	240
Audiovox	037
Baird	107
Beaumark	240
Bell & Howell	104
Blaupunkt	003, 006, 154
Brandt	187, 320, 321
Broksonic	121, 184, 211, 295, 361
Bush	352
CCE	072, 278
Calix	037
Canon	035
Capehart	020
Carver	081, 146
Citizen	037, 278
Colt	072
Combitach	352
Craig	037, 047, 072, 240, 271
Curtis Mathes	035, 041, 060
Cybermax	051, 240
Daewoo	020, 045, 276
Daytron	020
Denon	042
Dynatech	000
Electrophonic	037
Emerex	032
Emerson	000, 002, 036, 037, 043, 061, 068, 088, 121, 164, 208, 209, 211, 212, 278, 295, 361, 479
Ferguson	107, 320, 321
Fisher	047, 054, 066, 104
Fuji	033, 035
Funai	000
GE	035, 060, 065, 202
Garrard	000
Go Video	232, 279, 432
Gold Star	037, 038
Gradiente	000, 406
Grundig	003, 007, 195, 347
HI-Q	047
Harley Davidson	000
Harman/Kardon	038, 075
Harwood	068, 072
Headquarter	046
Hinari	004, 352
Hitachi	000, 004, 041, 042, 065, 105, 168, 235
Ingersol	004
JVC	008, 041, 067, 208, 384, 486
Jensen	041
KEC	037, 278
KLH	072
Kenwood	038, 041, 067, 384
Kodak	035, 037
LXI	037
Lloyd's	000, 206

VCR	REMOTE CODE NO.
Loewe	004
Logik	004, 072
MEI	035
MGA	043, 061
MGN Technology	240
MTC	000, 240
Magnavox	000, 035, 081, 146, 181
Marta	037
Matsui	004, 348, 352
Matsushita	035, 162, 454
Memmorex	307
Memorex	000, 035, 037, 039, 046, 047, 048, 104, 240, 266, 307
Metz	003, 347
Minolta	042, 105
Mitsubishi	043, 061, 067, 075, 173, 443
Motorola	035, 048
Multitech	000, 072
NAD	058
NEC	036, 040, 041, 067, 104
Nikko	037
Nikon	034, 253
Noblex	240
Nordmende	297, 320, 321
Okano	346
Olympus	035, 226
Optimus	037, 048, 058, 104, 162, 432, 454
Optonica	062
Orion	004, 295, 348, 352, 479
Panasonic	035, 077, 162, 225, 226, 378, 454
Penney	035, 037, 038, 040, 042, 065, 105
Pentax	042, 065, 105
Philco	035
Philips	035, 062, 081, 110, 403
Pilot	037
Pioneer	058, 067
Portland	020
Profax	322
Profitronic	240
Protec	072
Pulsar	039, 051
Quarter	046
Quartz	046
Quasar	035, 077, 162, 454
RCA	042, 060, 065, 077, 105, 106, 149, 202
Radio Shack	000, 037
Radix	037
Randex	037
Realistic	000, 035, 037, 045, 047, 048, 062, 066, 104
Ricoh	034, 253
Runco	039
SEG	322
SEI	004
STS	042
Saba	297, 320, 321
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Mitsubishi	.521
Panasonic	.490
Philips	.539
Pioneer	.550
RCA	.522
Sony	.552
Toshiba	.503

When using the TV remote with a VCR, first make certain it is set to control your VCR (by the REMOTE CODE or SEARCH method).

(BEGIN)

1 **Set the TV/VCR/ACC mode switch to VCR** on the remote.

2 **Point the top of the remote** toward the front of the VCR (remote sensor window) when pressing the buttons.

(STOP)

RECORD BUTTON
Hold the (A/CH) • RECORD button down to begin a VCR recording.

VCR SYSTEM SWITCH
Set in the VCR position to send remote commands to the VCR.

PLAY BUTTON ▶
Press to begin playback of a video tape.

REWIND BUTTON ◀◀
Press to rewind tapes. For some VCR's the STOP button may have to be pressed first, then REWIND. In playback mode hold down the button to view picture moving rapidly in reverse.

STOP BUTTON ■
Press to stop the motion of a tape in playback, rewind, fast forward, etc.

SMART HELP

Remember, the VCR buttons on the remote will not operate your VCR if those features are not found on your VCR remote control.

Note: All VCR functions (particularly Search, Rewind, Fast Forward, etc.) will operate the same as with the original VCR remote control provided with the VCR.
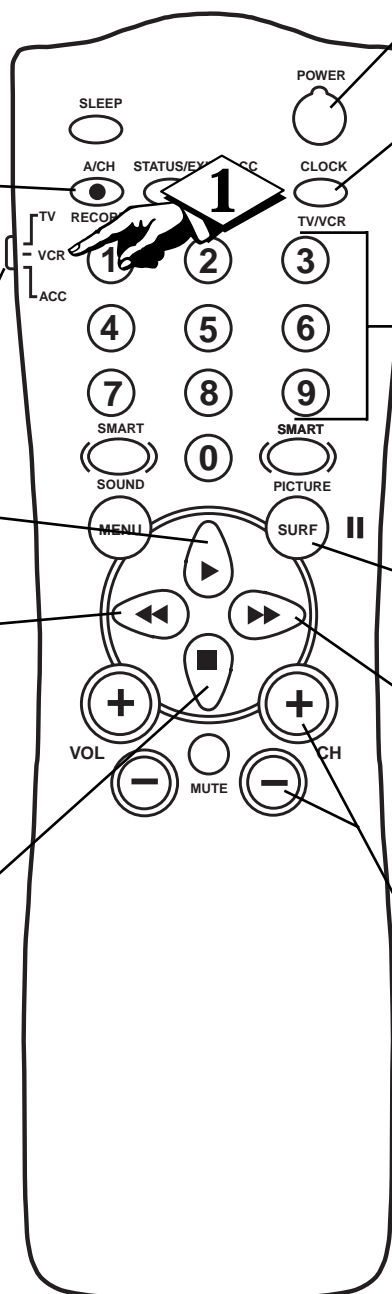
POWER BUTTON
Press to turn the VCR ON and OFF.

TV/VCR BUTTON
Press while in the VCR mode (VCR indicator on the front of the unit will light) to view the playback of a tape. Press again to place in the TV position (VCR indicator light will go off) to view one program while recording another program. When used in the TV mode, the TV/VCR/CLOCK button will access the TV's Clock menu options.

NUMBER BUTTON
Press buttons for direct VCR channel selections.

PAUSE BUTTON ‖
Press to temporarily stop the tape during a playback or recording. Press again to release Pause.

FAST FORWARD BUTTON ▶▶
Press to rapidly advance the tape. For some VCR's you may need to press the STOP button first, then the FAST FORWARD button. In playback mode hold the button down to view the picture moving rapidly in the forward direction.

CHANNEL + & – BUTTONS
Press to scan up or down through the VCR channel numbers.

Please make these simple checks before calling for service. These tips can save you time and money since charges for TV installation and adjustment of customer controls are not covered under your warranty.

CAUTION: A video source (such as a video game, Compact Disc Interactive - CDI, or TV information channel) which shows a constant non-moving pattern on the TV screen, can cause picture tube damage. When your TV is continuously used with such a source the pattern of the non-moving portion of the game could leave an image permanently on the picture tube. When not in use, turn the video source OFF. Regularly alternate the use of such video sources with normal TV viewing.

No Power

• Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert plug into outlet and push POWER button again.
• Check that outlet is not on a wall switch. Be sure fuse is not blown on AC Power strip.

No Picture

• Check antenna connections. Are they properly secured to the TV's 75Ω plug?
• Check the TUNER MODE control for CABLE or ANTENNA setting.
• Check Audio/Video Input jack connections if using a VCR or other external device.

No Sound

• Check the VOLUME buttons.
• Check the MUTE button on the remote control.
• Check Audio/Video Input jack connections if using a VCR or other external device.

Unusual Screen Coloring

• Turn the TV OFF for several seconds, then power the set back ON.
• Unplug the TV for FIVE minutes. Plug the TV back into the AC outlet and power the TV ON. This should correct the problem.
• Check the Picture menu options for proper control settings.
• Pressthe Auto Picture button on the remote to change the color options. If the color resets itself, readjust the Picture menu option control.

Remote Does Not Work

• Check batteries. Replace with AA Heavy Duty (Zinc Chloride) or Alkaline batteries if necessary.
• Clean the remote and the remote sensor window on the TV.
• Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert plug into outlet and push POWER button again. Be sure fuse is not blown on AC Power strip.
• Check to be sure TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13

• Repeat channel selection.
• Add desired channel numbers (CHANNEL control) into TV memory.
• Check to be sure the TUNER MODE control is set to the CABLE option.

Cleaning and Care
• To avoid possible shock hazard be sure the TV is unplugged from the electrical outlet before cleaning.
• When cleaning the TV screen take care not to scratch or damage the screen surface (avoid wearing jewelry or using anything abrasive). Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
• Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool clear water. Use a clean dry cloth to dry the wiped surfaces.
• Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

Auto Picture Booster • A control that will automatically amplify "weak video signals" to a point where they are acceptable for viewing.

Auto Programming • The procedure of adding or deleting channel numbers into the Television's memory circuits. In this way the Television "remembers'' only the locally available or desired channel numbers and skips over any unwanted channel numbers.

Coaxial Cable • **A** single solid antenna wire normally matched with a metal plug (F-type) end connector that screws (or pushes) directly onto a 75 Ohm input found on the Television or VCR.

Closed Caption • Broadcast standard which allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired this feature uses on-screen "text boxes" to show dialogue and conversations while the TV program is in progress.

Front Audio/Video Inputs • Located on the front of the TV these connectors (phono type plug) are used for the input of audio and video signals. Designed for easy use with VCRs or cameras.

Menu • An on-screen listing of feature controls shown on the Television screen that are made available for user adjustments.

On-screen Displays (OSD) • Refers to the wording or messages generated by the television (or VCR) to help the user with specific feature controls (color adjustment, programming, etc.).

Quadra Surf • The feature that allows the programming of four separate Surf lists holding up to 10 channels each.

Remote Sensor Window • A window or opening found on the Television control panel through which infrared remote control command signals are received.

Surf • The action of scanning specific channel in a limited channel list.

Status/Exit • Allows the user to quickly confirm what channel number is currently being viewed. Status can also be used to clear the Television of on screen displays or information (rather than waiting for the displays to "time out" or automatically disappear from the screen).

Twin Lead Wire • The more commonly used name for the two strand 300 Ohm antenna wire used with many indoor and outdoor antenna systems. In many cases this type of antenna wire requires an additional adapter (or balun) in order to connect to the 75 Ohm Input terminals designed into the more recent Televisions and VCRs.

Tuner Mode • Designed for first time set up and use where the TV is set for antenna or cable TV signal connections.

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